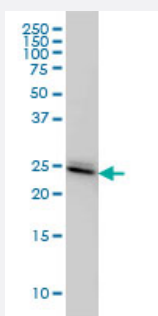


# PAFAH1B3 monoclonal antibody (M02), clone 8C11

Catalog # H00005050-M02

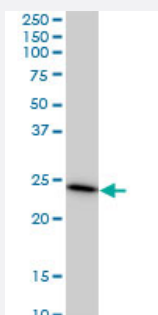
Size 100 ug

## Applications



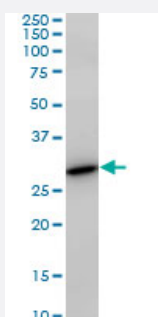
### Western Blot (Cell lysate)

PAFAH1B3 monoclonal antibody (M02), clone 8C11 Western Blot analysis of PAFAH1B3 expression in IMR-32 ( Cat # L008V1 ).



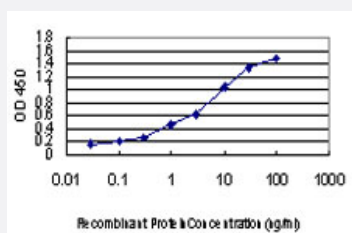
### Western Blot (Cell lysate)

PAFAH1B3 monoclonal antibody (M02), clone 8C11. Western Blot analysis of PAFAH1B3 expression in Jurkat ( Cat # L017V1 ).



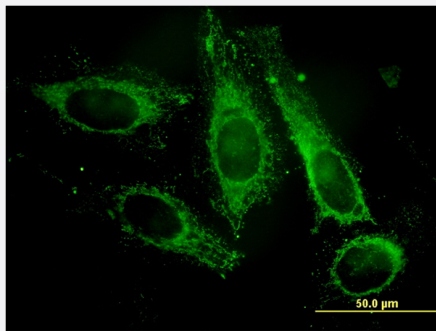
### Western Blot (Cell lysate)

PAFAH1B3 monoclonal antibody (M02), clone 8C11. Western Blot analysis of PAFAH1B3 expression in PC-12 ( Cat # L012V1 ).



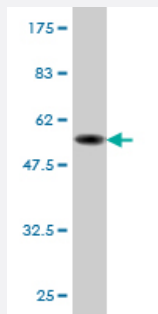
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PAFAH1B3 is approximately 0.1ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to PAFAH1B3 on HeLa cell.  
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (51.15 KDa) .

## Specification

|                                |                                                                                                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a full length recombinant PAFAH1B3.                                                                                                                                                         |
| <b>Immunogen</b>               | PAFAH1B3 (AAH03016, 1 a.a. ~ 231 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                               |
| <b>Sequence</b>                | MSGEENPASKPTPVQDVQGDGRWMSLHHRFVADSKDKEPEVVFIGDSLVLQMLHQCEWRELFSLHALNFGIGGDGTQHVLWRLNGELEHIRPKMVVWVGTTNNHGHTAEQVTGGIKAVQLVNERQPQARVVVLGLLPRGQHPNPLREKNRQVNELVRAALAGHPRAHFLDADPGFVHSDGTISHHDMYDYLHLSRLGYTPVCRALHSLLLRLLAQDQGGGAPLLEPAP |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                |
| <b>Reactivity</b>              | Human, Rat                                                                                                                                                                                                                           |
| <b>Isotype</b>                 | IgG1 Kappa                                                                                                                                                                                                                           |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (51.15 KDa) .                                                                                                                             |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                    |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                             |

## Applications

- Western Blot (Cell lysate)

PAFAH1B3 monoclonal antibody (M02), clone 8C11 Western Blot analysis of PAFAH1B3 expression in IMR-32 ( Cat # L008V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

PAFAH1B3 monoclonal antibody (M02), clone 8C11. Western Blot analysis of PAFAH1B3 expression in Jurkat ( Cat # L017V1 ).

[Protocol Download](#)

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PAFAH1B3 monoclonal antibody (M02), clone 8C11. Western Blot analysis of PAFAH1B3 expression in PC-12 ( Cat # L012V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PAFAH1B3 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PAFAH1B3 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — PAFAH1B3

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">5050</a> |
|---------------|----------------------|

|                     |                          |
|---------------------|--------------------------|
| GeneBank Accession# | <a href="#">BC003016</a> |
|---------------------|--------------------------|

|                    |                          |
|--------------------|--------------------------|
| Protein Accession# | <a href="#">AAH03016</a> |
|--------------------|--------------------------|

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | PAFAH1B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Description   | platelet-activating factor acetylhydrolase, isoform lb, gamma subunit 29kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Omim ID            | <a href="#">603074</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary       | <p>This gene encodes an acetylhydrolase that catalyzes the removal of an acetyl group from the glycerol backbone of platelet-activating factor. The encoded enzyme is a subunit of the platelet-activating factor acetylhydrolase isoform 1B complex, which consists of the catalytic beta and gamma subunits and the regulatory alpha subunit. This complex functions in brain development. A translocation between this gene on chromosome 19 and the CDC-like kinase 2 gene on chromosome 1 has been observed, and was associated with mental retardation, ataxia, and atrophy of the brain. Alternatively spliced transcript variants have been described. [provided by RefSeq]</p> |
| Other Designations | platelet-activating factor acetylhydrolase, isoform lb, gamma subunit (29kD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Publication Reference

- [Loss of PAFAH1B2 Reduces Amyloid- \$\beta\$  Generation by Promoting the Degradation of Amyloid Precursor Protein C-Terminal Fragments.](#)

Page RM, Munch A, Horn T, Kuhn PH, Colombo A, Reiner O, Boutros M, Steiner H, Lichtenthaler SF, Haass C.

Journal of Neurology 2012 Dec; 32(50):18204.

Application: WB-Ce, Mouse, Mouse embryonic fibroblast

## Pathway

- [Ether lipid metabolism](#)
- [Metabolic pathways](#)