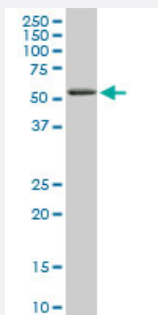


# RIPK2 monoclonal antibody (M02), clone 6F7

Catalog # H00008767-M02

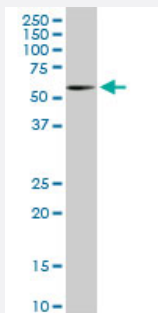
Size 100 ug

## Applications



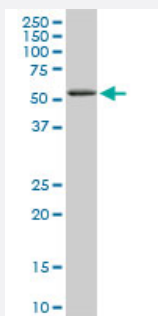
### Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7. Western Blot analysis of RIPK2 expression in PC-12 ( Cat # L012V1 ).



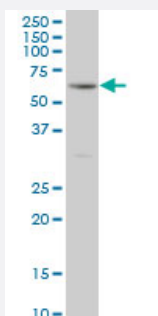
### Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7. Western Blot analysis of RIPK2 expression in NIH/3T3 ( Cat # L018V1 ).



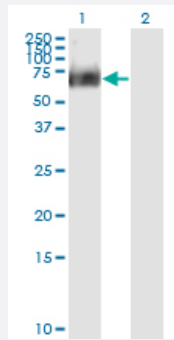
### Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7. Western Blot analysis of RIPK2 expression in Raw 264.7 ( Cat # L024V1 ).



### Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7 Western Blot analysis of RIPK2 expression in HeLa ( Cat # L013V1 ).

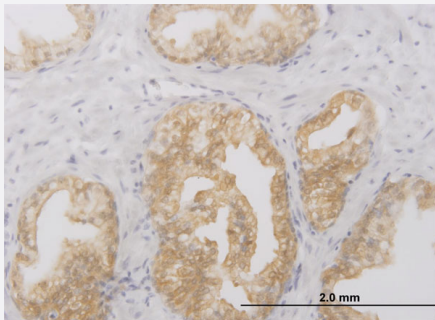


## Western Blot (Transfected lysate)

Western Blot analysis of RIPK2 expression in transfected 293T cell line by RIPK2 monoclonal antibody (M02), clone 6F7.

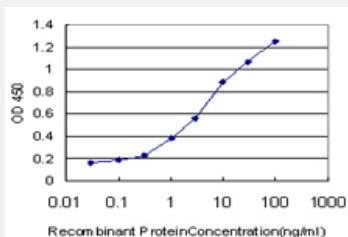
Lane 1: RIPK2 transfected lysate(61.2 KDa).

Lane 2: Non-transfected lysate.



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RIPK2 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 1.2 ug/ml]



## Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RIPK2 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant RIPK2.

### Immunogen

RIPK2 (AAH04553, 431 a.a. ~ 540 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

|                               |                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Sequence                      | LQPGIAQQWQSKREDIVNQMTACLNQSLDALLSRDLIMKEDYELVSTKPTRTSKVRQLLDTTDIQ<br>GEEFAKVIVQKLKDNKQMG LQPYPEILVVS RSPSLNLLQNKSM |
| Host                          | Mouse                                                                                                              |
| Reactivity                    | Human, Mouse, Rat                                                                                                  |
| Interspecies Antigen Sequence | Mouse (84); Rat (85)                                                                                               |
| Isotype                       | IgG2a Kappa                                                                                                        |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.84 KDa) .           |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                                  |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                           |

## Applications

- Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7. Western Blot analysis of RIPK2 expression in PC-12 ( Cat # L012V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7. Western Blot analysis of RIPK2 expression in NIH/3T3 ( Cat # L018V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7. Western Blot analysis of RIPK2 expression in Raw 264.7 ( Cat # L024V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

RIPK2 monoclonal antibody (M02), clone 6F7 Western Blot analysis of RIPK2 expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of RIPK2 expression in transfected 293T cell line by RIPK2 monoclonal antibody (M02), clone 6F7.

Lane 1: RIPK2 transfected lysate(61.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RIPK2 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 1.2 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RIPK2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — RIPK2

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">8767</a> |
|---------------|----------------------|

|                     |                          |
|---------------------|--------------------------|
| GeneBank Accession# | <a href="#">BC004553</a> |
|---------------------|--------------------------|

|                    |                          |
|--------------------|--------------------------|
| Protein Accession# | <a href="#">AAH04553</a> |
|--------------------|--------------------------|

|           |       |
|-----------|-------|
| Gene Name | RIPK2 |
|-----------|-------|

|            |                                        |
|------------|----------------------------------------|
| Gene Alias | CARD3, CARDIAK, CCK, GIG30, RICK, RIP2 |
|------------|----------------------------------------|

|                  |                                                |
|------------------|------------------------------------------------|
| Gene Description | receptor-interacting serine-threonine kinase 2 |
|------------------|------------------------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">603455</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

## Gene Summary

This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase activation and recruitment domain (CARD), and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of NF-kappaB and inducer of apoptosis in response to various stimuli. [provided by RefSeq]

## Other Designations

CARD-carrying kinase|CARD-containing interleukin-1 beta-converting enzyme (ICE)-associated kinase|growth-inhibiting gene 30|receptor interacting protein 2|receptor-interacting protein (RIP)-like interacting caspase-like apoptosis regulatory protein (CLARP

## Publication Reference

- [NOD/RIPK2 signalling pathway contributes to osteoarthritis susceptibility.](#)

Michael J Jurynek, Catherine M Gavile, Matthew Honeggar, Ying Ma, Shivakumar R Veerabhadraiah, Kendra A Novak, Kazuyuki Hoshijima, Nikolas H Kazmers, David J Grunwald.

Annals of the Rheumatic Diseases 2022 Oct; 81(10):1465.

Application: IHC, Mouse, Knee joint

- [Rip2 Is Required for Nod2-Mediated Lysozyme Sorting in Paneth Cells.](#)

Wang H, Zhang X, Zuo Z, Zhang Q, Pan Y, Zeng B, Li W, Wei H, Liu Z.

Amino Acids 2017 Mar; 198(9):3729.

Application: WB, Mouse, Paneth cells

- [LRRK2 enhances Nod1/2-mediated inflammatory cytokine production by promoting Rip2 phosphorylation.](#)

Yan R, Liu Z.

Protein & Cell 2017 Jan; 8(1):55.

Application: WB, Human, Mouse, BMDM, THP-1 cells

## Pathway

- [Neurotrophin signaling pathway](#)

## Disease

- [Genetic Predisposition to Disease](#)

- [Hematologic Diseases](#)

- [Hodgkin Disease](#)

- [Leprosy](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)