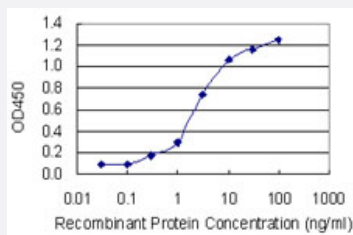


# PHIP monoclonal antibody (M01), clone 4D7

Catalog # H00055023-M01

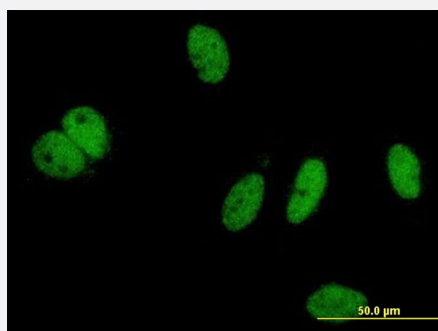
Size 100 ug

## Applications



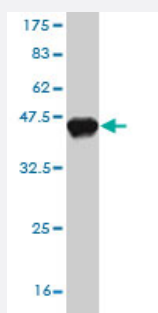
### Sandwich ELISA (Recombinant protein)

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



### Immunofluorescence

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



Western Blot detection against Immunogen (37.51 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PHIP.

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | PHIP (NP_060404, 1599 a.a. ~ 1705 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence                      | TLSKSSAVIEQGDCKNNALVPGTIQVNGHGGQPSKLVKRGPGRKPKVEVNTNSGEIIHKRGRKP<br>KKLQYAKPEDLEQNNVHPIRDEVLPSSTCNFLSETNNVKEDL      |
| Host                          | Mouse                                                                                                               |
| Reactivity                    | Human                                                                                                               |
| Interspecies Antigen Sequence | Mouse (83); Rat (80)                                                                                                |
| Isotype                       | IgG2b Kappa                                                                                                         |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.51 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

## Gene Info — PHIP

Entrez GeneID [55023](#)

GeneBank Accession# [NM\\_017934](#)

|                    |                                                                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">NP_060404</a>                                                                                                                                                                                                                                                                                |
| Gene Name          | PHIP                                                                                                                                                                                                                                                                                                     |
| Gene Alias         | FLJ20705, FLJ45918, MGC90216, WDR11, ndrp                                                                                                                                                                                                                                                                |
| Gene Description   | pleckstrin homology domain interacting protein                                                                                                                                                                                                                                                           |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                |
| Gene Summary       | PHIP binds the pleckstrin homology (PH) domain of insulin receptor substrate-1 (IRS1; MIM 147545), modulates insulin signaling, and plays a role in pancreatic beta cell growth and survival (Farhang-Fallah et al., 2000 [PubMed 11018022]; Podcheko et al., 2007 [PubMed 17636024]).[supplied by OMIM] |
| Other Designations | OTTHUMP00000016771                                                                                                                                                                                                                                                                                       |

## Publication Reference

- [Pleckstrin homology domain-interacting protein \(PHIP\) as a marker and mediator of melanoma metastasis.](#)

De Semir D, Nosrati M, Bezrookove V, Dar AA, Federman S, Bienvenu G, Venna S, Rangel J, Climent J, Meyer Tamgüney TM, Thummala S, Tong S, Leong SP, Haqq C, Billings P, Miller JR 3rd, Sagebiel RW, Debs R, Kashani-Sabet M.

PNAS 2012 May; 109(18):7067.

Application: IF, IHC-P, WB, Human, 1205Lu, D05, C8161.9, LOX cells, Human melanoma tissues