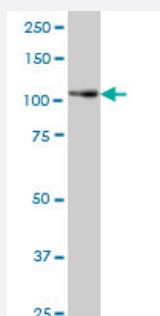


PTK7 monoclonal antibody (M06), clone 4F5

Catalog # H00005754-M06

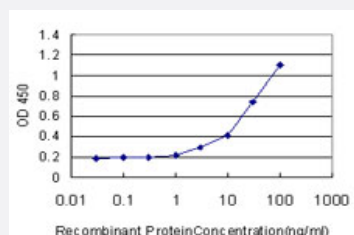
Size 100 ug

Applications



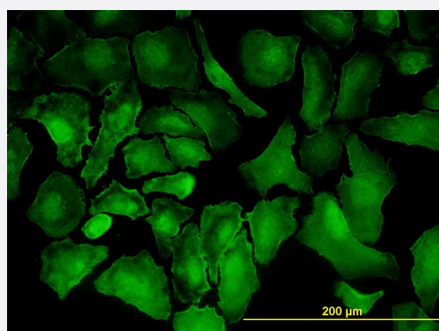
Western Blot (Cell lysate)

PTK7 monoclonal antibody (M06), clone 4F5 Western Blot analysis of PTK7 expression in A-431 (Cat # L015V1).



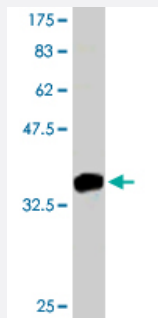
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTK7 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PTK7 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTK7.
Immunogen	PTK7 (NP_002812, 36 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KQPSSQDALQGRRALLRCEVEAPGPVHVYWLLDGAPVQDTERRFAQGSSLSFAAVDRLQDSGT FQCVARDDVTGEEARSANASFNKWIEAGPVVLKHPASEAEIQPQTQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. 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)

PTK7 monoclonal antibody (M06), clone 4F5 Western Blot analysis of PTK7 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTK7 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PTK7 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PTK7

Entrez GeneID [5754](#)

GeneBank Accession# [NM_002821](#)

Protein Accession# [NP_002812](#)

Gene Name PTK7

Gene Alias CCK4

Gene Description PTK7 protein tyrosine kinase 7

Omim ID [601890](#)

Gene Ontology [Hyperlink](#)

Gene Summary Receptor protein tyrosine kinases transduce extracellular signals across the cell membrane. A subgroup of these kinases lack detectable catalytic tyrosine kinase activity but retain roles in signal transduction. The protein encoded by this gene is a member of this subgroup of tyrosine kinases and may function as a cell adhesion molecule. This gene is thought to be expressed in colon carcinomas but not in normal colon, and therefore may be a marker for or may be involved in tumor progression. Four transcript variants encoding four different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000039809|colon carcinoma kinase-4

Publication Reference

- [Spatio-temporal and Cellular Expression Patterns of PTK7 in the Healthy and Traumatically Injured Rat and Human Spinal Cord.](#)

González P, González-Fernández C, Campos-Martín Y, Mollejo M, Carballosa-Gautam M, Marcillo A, Norenberg M, García-Ovejero D, Rodríguez FJ.

Cellular and Molecular Neurobiology 2020 Oct; 40(7):1087.

Application: IF, IHC-P, Rat, Rat spinal cords

- [Frizzled 1 and Wnt1 as new potential therapeutic targets in the traumatically injured spinal cord.](#)

Pau González, Carlos González-Fernández, Yolanda Campos-Martín, Manuela Mollejo, Melissa Carballosa-Gautam, Alexander Marcillo, Michael Norenberg, Francisco Javier Rodríguez.

Cellular and Molecular Life Sciences : CMLS 2020 Nov; 77(22):4631.

Application: IHC, Human, Spinal cord