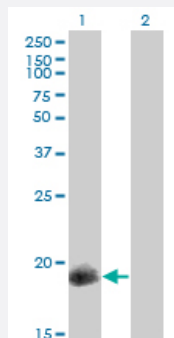


PPP1R14A monoclonal antibody (M01), clone 3A7

Catalog # H00094274-M01

Size 100 ug

Applications

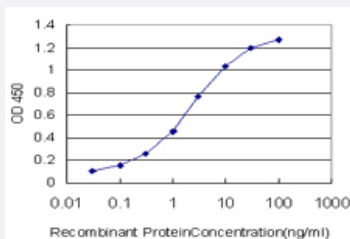


Western Blot (Transfected lysate)

Western Blot analysis of PPP1R14A expression in transfected 293T cell line by PPP1R14A monoclonal antibody (M01), clone 3A7.

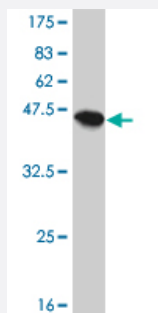
Lane 1: PPP1R14A transfected lysate(16.7 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPP1R14A is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (41.91 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PPP1R14A.

Immunogen	PPP1R14A (AAH21089, 1 a.a. ~ 147 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAQLRGKRVLSKLQSPSRARGPGGSPGGLQKRHARVTVKYDRRELQRRLDVEKWIDGRLEEL YRGMEADMPDEINIDELLELESEEERSRKIQGLLKSCGKPVEDFIQELLAKLQGLHRQPGLRQPSP SHDGSLSPQLQDRARTAHP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (85)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.91 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 (Transfected lysate)

Western Blot analysis of PPP1R14A expression in transfected 293T cell line by PPP1R14A monoclonal antibody (M01), clone 3A7.

Lane 1: PPP1R14A transfected lysate(16.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPP1R14A is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PPP1R14A

Entrez GeneID	94274
GeneBank Accession#	BC021089
Protein Accession#	AAH21089
Gene Name	PPP1R14A
Gene Alias	CPI-17, CPI17, PPP1INL
Gene Description	protein phosphatase 1, regulatory (inhibitor) subunit 14A
Omim ID	608153
Gene Ontology	Hyperlink
Gene Summary	PPP1R14A is a phosphorylation-dependent inhibitor of smooth muscle myosin phosphatase (see MIM 603768). Inhibition leads to increased myosin phosphorylation and enhances smooth muscle contraction in the absence of increased intracellular Ca(2+) concentration.[supplied by OMIM]
Other Designations	17-KDa protein 17-kDa PKC-potentiated inhibitory protein of PP1 PKC-potentiated inhibitory protein of PP1

Pathway

- [Vascular smooth muscle contraction](#)