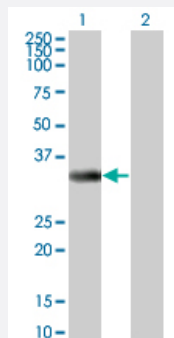


ITPK1 monoclonal antibody (M01), clone 2C8

Catalog # H00003705-M01

Size 100 ug

Applications

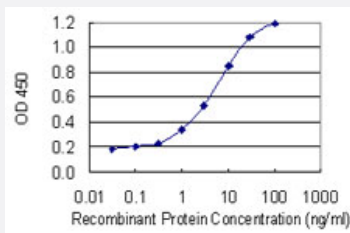


Western Blot (Transfected lysate)

Western Blot analysis of ITPK1 expression in transfected 293T cell line by ITPK1 monoclonal antibody (M01), clone 2C8.

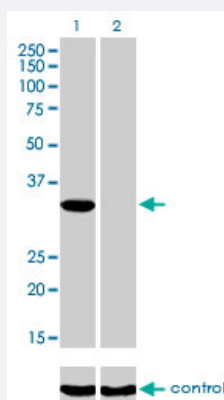
Lane 1: ITPK1 transfected lysate (35.6 kDa).

Lane 2: Non-transfected lysate.



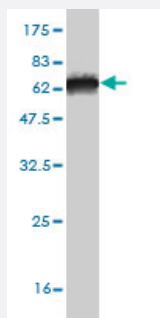
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITPK1 is 0.1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of ITPK1 over-expressed 293 cell line, cotransfected with ITPK1 Validated Chimera RNAi (Cat # H00003705-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ITPK1 monoclonal antibody (M01), clone 2C8 (Cat # H00003705-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (60.28 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ITPK1 .
Immunogen	ITPK1 (AAH03622, 1 a.a. ~ 314 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MQTFLKGKRVGYWLSEKKIKKLNFAFAELCRKRGMEVVQLNLSRPIEEQGGLDVIHKLTDVILEA DQNSQSLELVHRFQEYIDAHPETVLDPLPAIRTLDRSKSYELIRKIEAYMEDDRICSPPFMELTS LCGDDTMRLLKNGLTFFICKTRVAHGTSHEMAVFNQEGLNAIQPPCVVQNFINHNAVLYKVF VVGESYTVVQRPSTLKNFSAGTSDRESIFFNSHNVSKESSSVLTELDKIEGVFERPSDEVIRELSR ALRQALGVSLFGIDIIINQGTGQHAVIDINAFPGDCQVCFIEGWKTD
Host	Mouse
Reactivity	Human
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (60.28 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 ITPK1 expression in transfected 293T cell line by ITPK1 monoclonal antibody (M01), clone 2C8.

Lane 1: ITPK1 transfected lysate(35.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITPK1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of ITPK1 over-expressed 293 cell line, cotransfected with ITPK1 Validated Chimera RNAi (Cat # H00003705-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ITPK1 monoclonal antibody (M01), clone 2C8 (Cat # H00003705-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — ITPK1

Entrez GeneID [3705](#)

GeneBank Accession# [BC003622](#)

Protein Accession# [AAH03622](#)

Gene Name ITPK1

Gene Alias ITRPK1

Gene Description inositol 1,3,4-triphosphate 5/6 kinase

Omim ID [601838](#)

Gene Ontology [Hyperlink](#)

Gene Summary 3

Other Designations inositol 1,3,4-trisphosphate 5/6 kinase|inositol-tetrakisphosphate 1-kinase

Pathway

- [Inositol phosphate metabolism](#)

- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)