

Mouse Cyclophilin E Monoclonal Antibody | anti-PPIE antibody

Cyclophilin E (Cyclophilin 33, CYP33, CYP-33, MGC3736, MGC111222, Peptidyl-Prolyl Cis-Trans Isomerase E, PPIase E, PPIE, Rotamase E, Rotamase-E) (HRP)

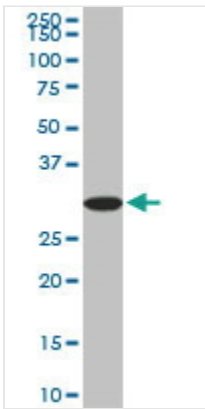
CATALOG # AAA25364	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

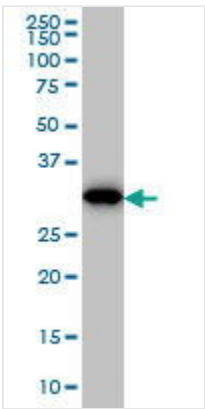
Cyclophilin E; Monoclonal Antibody; Cyclophilin E (Cyclophilin 33; CYP33; CYP-33; MGC3736; MGC111222; Peptidyl-Prolyl Cis-Trans Isomerase E; PPIase E; PPIE; Rotamase E; Rotamase-E) (HRP); anti-PPIE antibody

PRODUCT SPECIFICATIONS

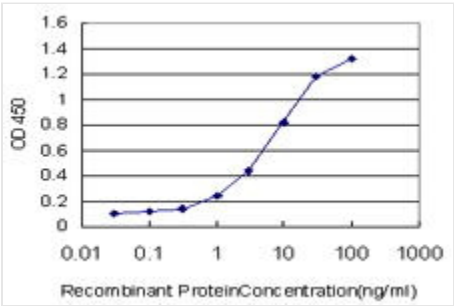
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F5
Specificity	Recognizes human PPIE. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-PPIE antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa2-100 from PPIE (NP_006103) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ATTKRVLYVGGLAEVDDKVLHAAFIPFGDITDIQIPLDYETEKHRGFVFEFELAEDAAAAIDNMNESELFGRITIRVNLAKPMRIKEGSSRPVWSDDD
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



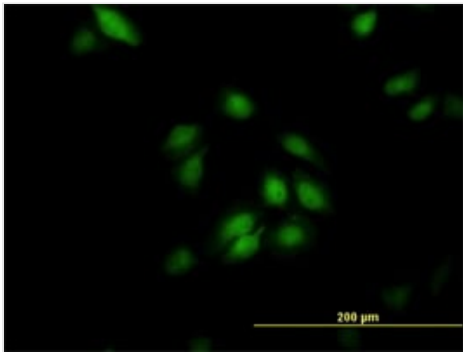
WB (Western Blot)
PPIE monoclonal antibody Western Blot analysis of PPIE expression in PC-12.



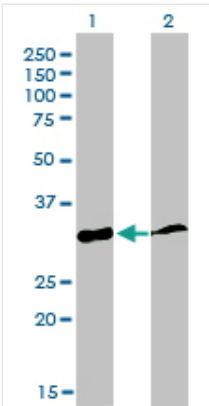
WB (Western Blot)
PPIE monoclonal antibody Western Blot analysis of PPIE expression in HeLa NE.



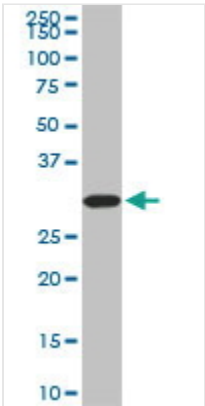
Application Data
Detection limit for recombinant GST tagged PPIE is ~0.1ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PPIE on HeLa cell. [antibody concentration 10ug/ml]



WB (Western Blot)
Western Blot analysis of PPIE expression in transfected 293T cell line by PPIE monoclonal antibody. Lane 1: PPIE transfected lysate (33.4kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
PPIE monoclonal antibody Western Blot analysis of PPIE expression in NIH/3T3.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIE antibody	The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified.
Product Categories/Family for anti-PPIE antibody	Antibodies; Cyclophilin

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174637
NCBI GeneID	10450
NCBI Accession #	NP_006103
NCBI GenBank Nucleotide #	NM_006112
UniProt Accession #	Q9UNP9; O43634; O43635; Q32Q72; Q3S611; Q5TGA0; Q5TGA2; Q5TGA3; Q9UIZ5; B2R971
Molecular Weight	34,991 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase E isoform 1
NCBI Official Synonym Full Names	peptidylprolyl isomerase E
NCBI Official Symbol	PPIE
NCBI Official Synonym Symbols	CYP33; CYP-33
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase E
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase E
UniProt Gene Name	PPIE
UniProt Synonym Gene Names	CYP33; PPIase E
UniProt Entry Name	PPIE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cyclophilin-e-antibody-clone-2f5-western-blot-elisa/25364>