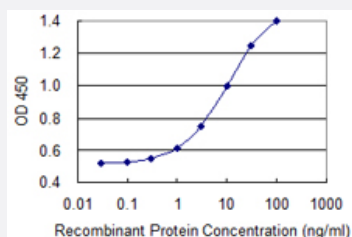


PREP monoclonal antibody (M04), clone 2D7

Catalog # H00005550-M04

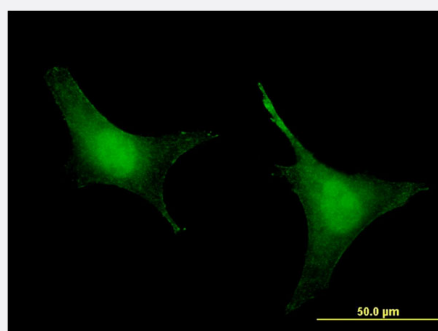
Size 100 ug

Applications



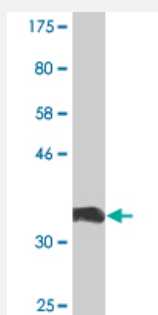
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PREP is 0.3 ng/ml as a capture antibody.



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PREP.

Immunogen	PREP (NP_002717.3, 611 a.a. ~ 710 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LVKYSPLHNVKLPEADDIQYPSMLLLTADHDDRVPPLHSLKFIATLQYIVGRSRKQSNPLLIHVDTK AGHGAGKPTAKVIEEVSDMFAFIARCLNVDWIP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 PREP is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — PREP

Entrez GeneID [5550](#)

GeneBank Accession# [NM_002726](#)

Protein Accession#	NP_002717.3
Gene Name	PREP
Gene Alias	MGC16060, PE, PEP
Gene Description	prolyl endopeptidase
Omim ID	600400
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytosolic prolyl endopeptidase that cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long. Prolyl endopeptidases have been reported to be involved in the maturation and degradation of peptide hormones and neuropeptides. [provided by RefSeq]
Other Designations	OTTHUMP00000016916 OTTHUMP00000040498 dJ355L5.1 (prolyl endopeptidase) post-proline cleaving enzyme prolyl oligopeptidase

Publication Reference

- [Renal release of Ac-SDKP is part of an antifibrotic peptidergic system in the kidney.](#)

Romero CA, Kumar N, Nakagawa P, Worou ME, Liao TD, Peterson EL, Carretero OA.

American Journal of Physiology. Renal Physiology 2018 Nov; [Epub].

Application: IS, Rat, Kidney

Disease

- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)