

Rabbit Prolyl Endopeptidase Polyclonal Antibody | anti-PREP antibody

Prolyl Endopeptidase Antibody

CATALOG # AAA328885	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(88%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

Prolyl Endopeptidase; Polyclonal Antibody; Prolyl Endopeptidase Antibody; dJ355L5.1 (prolyl endopeptidase); HGNC:9358; MGC16060; OTTHUMP00000040498; PE; PEP; Post proline cleaving enzyme; Post-proline cleaving enzyme; PPCE_HUMAN; Prep; Prolyl endopeptidase; Prolyl oligopeptidase; anti-PREP antibody

PRODUCT SPECIFICATIONS

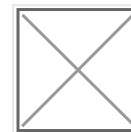
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(88%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Prolyl Endopeptidase Antibody detects endogenous levels of total Prolyl Endopeptidase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	710
Applicable Applications for anti-PREP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Prolyl Endopeptidase, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328885 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328885 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA328885 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from PC12, using Prolyl Endopeptidase. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PREP antibody	Function: Cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long.
	Post Translational Modifications: The N-terminus is blocked.
	Subcellular Location: Cytoplasm.
	Subunit Structure: Monomer.
	Similarity: Belongs to the peptidase S9A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41349456
NCBI GeneID	5550
NCBI Accession #	NP_002717.3
NCBI GenBank Nucleotide #	NP_002717.3
UniProt Accession #	P48147
Molecular Weight	Observed Molecular Weight: (Observed)80kD. Predicted Molecular Weight: (Calculated)81kDa.
NCBI Official Full Name	prolyl endopeptidase
NCBI Official Synonym Full Names	prolyl endopeptidase
NCBI Official Symbol	PREP
NCBI Official Synonym Symbols	PE; PEP
NCBI Protein Information	prolyl endopeptidase
UniProt Protein Name	Prolyl endopeptidase
UniProt Gene Name	PREP
UniProt Synonym Gene Names	PEP; PE
UniProt Entry Name	PPCE_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/prolyl-endopeptidase-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/328885>