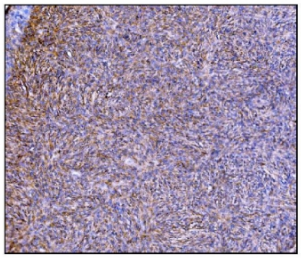
Prolyl Endopeptidase Antibody / PREP (RQ6509)

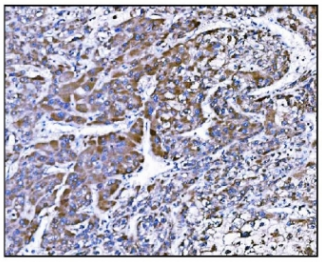
Catalog No.	Formulation	Size
RQ6509	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

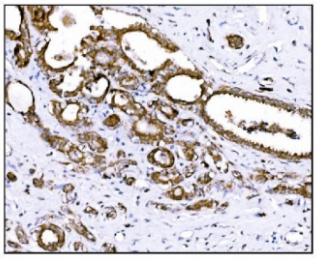
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P48147
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Prolyl Endopeptidase antibody is available for research use only.



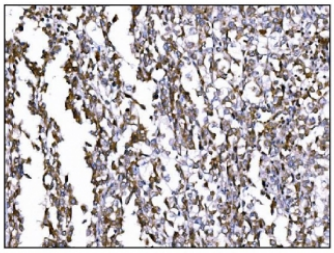
IHC staining of FFPE human skin cancer tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



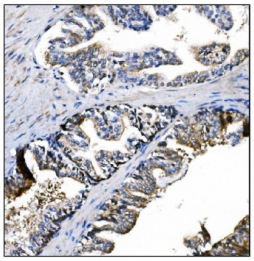
IHC staining of FFPE human liver cancer tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



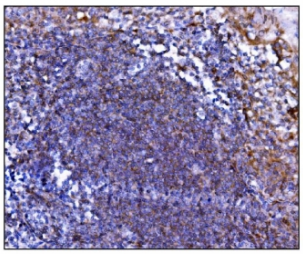
IHC staining of FFPE human breast cancer tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



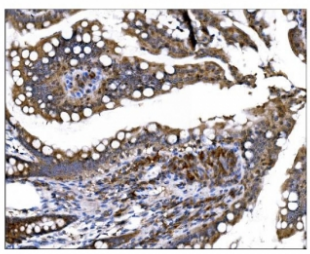
IHC staining of FFPE human pancreatic cancer tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



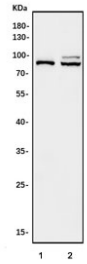
IHC staining of FFPE human prostate cancer tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



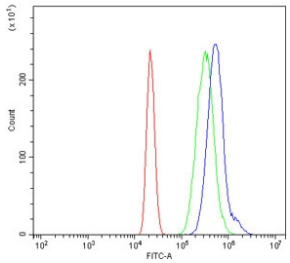
IHC staining of FFPE human tonsil tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestinal tissue with Prolyl Endopeptidase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) U937 and 2) HL60 cell lysate with Prolyl Endopeptidase antibody. Predicted molecular weight ~81 kDa.



Flow cytometry testing of human HL60 cells with Prolyl Endopeptidase antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Prolyl Endopeptidase antibody.

Description

Prolyl endopeptidase (PE) also known as prolyl oligopeptidase or post-proline cleaving enzyme is an enzyme that in humans is encoded by the PREP gene. 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.

Application Notes

Optimal dilution of the Prolyl Endopeptidase antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids M1-E227) was used as the immunogen for the Prolyl Endopeptidase antibody.

Storage

After reconstitution, the Prolyl Endopeptidase antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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