

Datasheet for ABIN2856725  
**anti-XPNPEP2 antibody (Center)**[Go to Product page](#)

3 Images

2 Publications

## Overview

Quantity:	100 µL
Target:	XPNPEP2
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XPNPEP2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human XPNPEP2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Pig (Porcine), Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Mouse (89 %), Pig (90 %), Rat (89 %), Bovine (89 %)
Characteristics:	Rabbit polyclonal antibody to XPNPEP2 (X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound) XPNPEP2 antibody [N3C3]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	XPNPEP2
Alternative Name:	XPNPEP2 ( <a href="#">XPNPEP2 Products</a> )
Background:	<p>Aminopeptidase P is a hydrolase specific for N-terminal imido bonds, which are common to several collagen degradation products, neuropeptides, vasoactive peptides, and cytokines. Structurally, the enzyme is a member of the 'pita bread fold' family and occurs in mammalian tissues in both soluble and GPI-anchored membrane-bound forms. A membrane-bound and soluble form of this enzyme have been identified as products of two separate genes.</p> <p>Cellular Localization: Cell membrane, Lipid-anchor , GPI-anchor</p>
Molecular Weight:	76 kDa
Gene ID:	7512

## Application Details

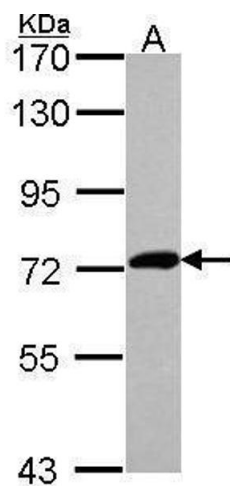
Application Notes:	<p>Suggested dilution Reference Western blot 1:500-1:3000* Not tested in other applications.</p> <p>*Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:3000*</p>
Comment:	Positive Control: A549 , HeLa , HepG2 , HCT116
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Product cited in: Salzman, Nakamura, Nallur, Dookwah, Metheetrairut, Slack, Weidhaas: "miR-34 activity is modulated through 5'-end phosphorylation in response to DNA damage." in: **Nature communications**, Vol. 7, pp. 10954, (2016) ([PubMed](#)).

Images

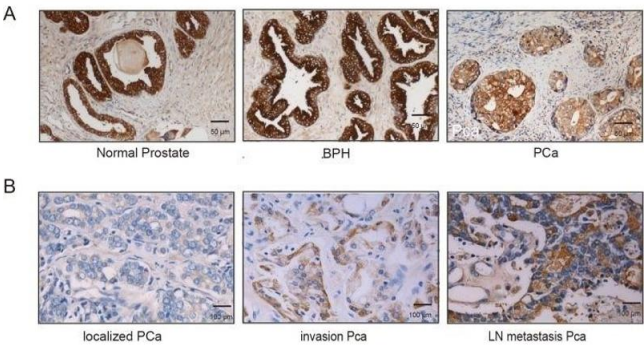


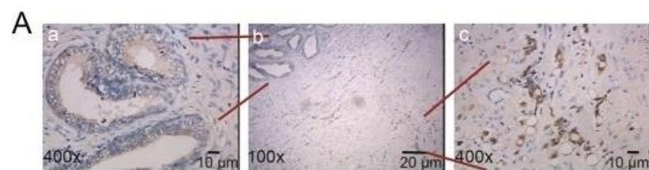
Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 7.5% SDS PAGE antibody diluted at 1:1000

Immunohistochemistry

**Image 2.** Immunostaining of XPNPEP2 expression in human prostate tissue. (A) and (C) A prostate cancer tissue microarray PR1921 and 30 BPH tissues were employed for staining with anti-XPNPEP2, the representative figures were shown (A), and XPNPEP2 immunostaining scores was presented (C). Scale bar, 50 um. \*\*p<0.01. (B) and (D) XPNPEP2 expression in Pca subdivided into localized, locally invasive and LN-metastatic Pca was also analyzed (B, D). Scale bar, 100 um. \*p<0.05, \*\*p<0.01. - figure provided by CiteAb. Source: PMID31296901





### Immunohistochemistry

**Image 3.** The correlation between XPNPEP2 and metastasis. In the same FFPE section, the XPNPEP2 expression in the occult metastases and in large foci were analyzed (A), scale bar, 10 µm. The cross-cancer XPNPEP2 mutation analysis was demonstrated using data extracted from the cBioPortal online analysis tool (the cBioPortal for Cancer Genomics) (B). - figure provided by CiteAb. Source: PMID31296901