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Human Aminopeptidase P1/XPNPEP1 antibody

Catalog Number: ATGA0462

PRODUCT INFORMATION

Catalog number

ATGA0462

Clone No.

AT9C7

Product type

Monoclonal Antibody

UnitProt No.

Q9NQW7

NCBI Accession No.

NP 065116

Alternative Names

Xaa-Pro aminopeptidase 1 isoform 1, APP1, SAMP, XPNPEP, XPNPEPL, XPNPEPL1

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human XPNPEP1 (1-623aa) purified from E. coli

Isotype

IgG2b kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage



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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

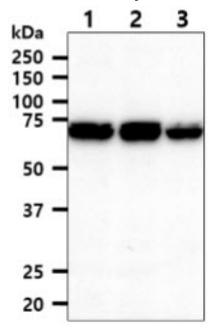
XPNPEP1 also known as Xaa-Pro aminopeptidase 1 isoform 1, is encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. This product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones.

General References

Cottrell G.S., et al. (2000) Biochemistry. 39: 15121-15128. Li X., et al. (2008) J. Biol. Chem. 283: 22858-22866.

DATA

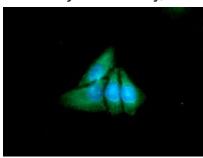
Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human XPNPEP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Jurkat cell lysate Lane 2.: HeLa cell lysate Lane 3.: MCF7 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of XPNPEP1 in HeLa cells. The cell was stained with ATGA0462 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

