

DPP3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11232b

Specification

DPP3 Antibody (C-term) - Product Information

Application	IF, FC, WB, IHC-P,E
Primary Accession	Q9NY33
Other Accession	Q99KK7 , NP_005691
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	82589
Antigen Region	583-612

DPP3 Antibody (C-term) - Additional Information

Gene ID 10072

Other Names

Dipeptidyl peptidase 3, Dipeptidyl aminopeptidase III, Dipeptidyl arylamidase III, Dipeptidyl peptidase III, DPP III, Enkephalinase B, DPP3

Target/Specificity

This DPP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 583-612 amino acids from the C-terminal region of human DPP3.

Dilution

IF~~1:10~50

FC~~1:10~50

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DPP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DPP3 Antibody (C-term) - Protein Information

Name DPP3

Function Cleaves and degrades bioactive peptides, including angiotensin, Leu-enkephalin and Met-enkephalin (PubMed:[1515063](#), PubMed:[3233187](#)). Also cleaves Arg-Arg-beta-naphthylamide (in vitro) (PubMed:[11209758](#), PubMed:[3233187](#), PubMed:[9425109](#)).

Cellular Location

Cytoplasm, cytosol

Tissue Location

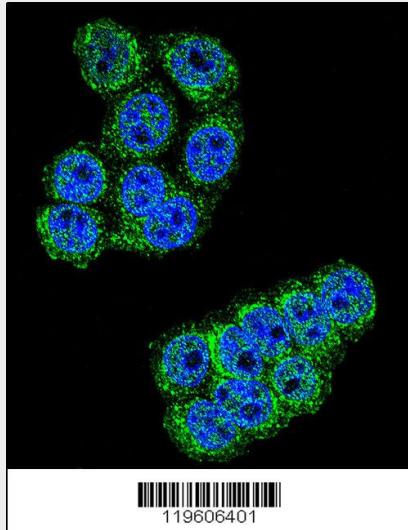
Detected in placenta (at protein level) (PubMed:3233187). Detected in erythrocytes (at protein level) (PubMed:1515063).

DPP3 Antibody (C-term) - Protocols

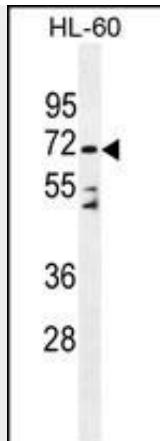
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

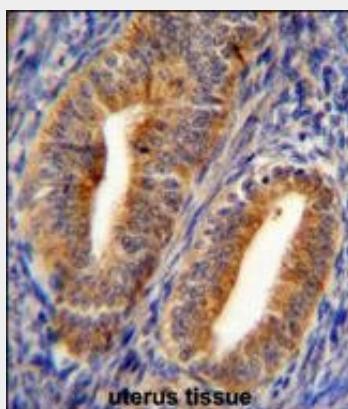
DPP3 Antibody (C-term) - Images



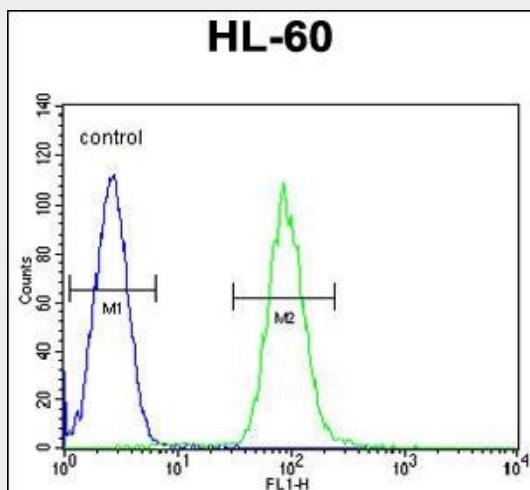
Confocal immunofluorescent analysis of DPP3 Antibody (C-term)(Cat#AP11232b) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



DPP3 Antibody (C-term) (Cat. #AP11232b) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the DPP3 antibody detected the DPP3 protein (arrow).



DPP3 Antibody (C-term) (Cat. #AP11232b)immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of DPP3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



DPP3 Antibody (C-term) (Cat. #AP11232b) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DPP3 Antibody (C-term) - Background

This gene encodes a protein that is a member of the M49 family of metallopeptidases. This cytoplasmic protein binds a single zinc ion with its zinc-binding motif (HELLGH) and has post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Increased activity of this protein is associated with endometrial and ovarian cancers. Alternate transcriptional splice variants have been characterized.

DPP3 Antibody (C-term) - References

Shukla, A.A., et al. FEBS J. 277(8):1861-1875(2010)
Salopek-Sondi, B., et al. Biol. Chem. 389(2):163-167(2008)
Gevaert, K., et al. Proteomics 5(14):3589-3599(2005)
Abramic, M., et al. Int. J. Biochem. Cell Biol. 36(3):434-446(2004)
Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :