

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	O9NY33
Other Accession	O99KK7 , 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

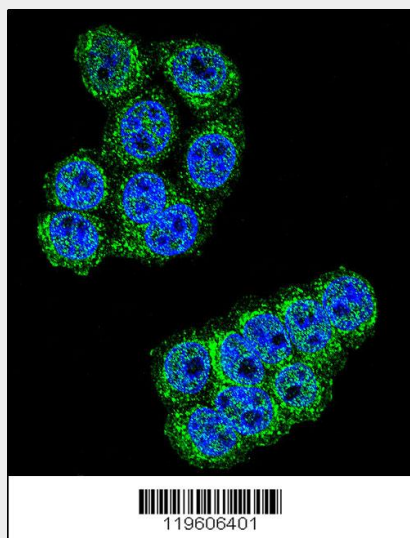
Tissue Location

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

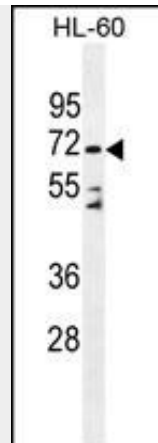
DPP3 Antibody (C-term) - Protocols

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

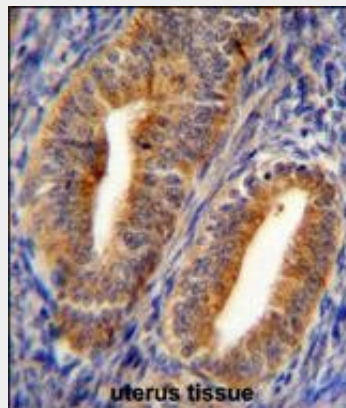
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DPP3 Antibody (C-term) - Images

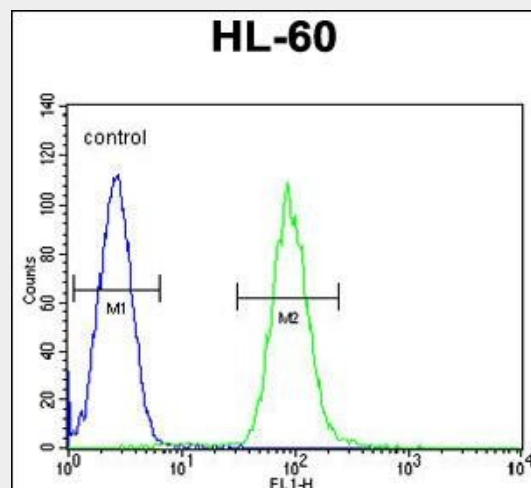
Confocal immunofluorescent analysis of DPP3 Antibody (C-term)(Cat#AP11232b) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



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) :