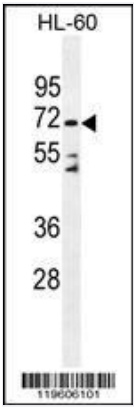
DPP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPP3, Polyclonal Antibody
Full Product Name	DPP3, CT (DPP3, Dipeptidyl peptidase 3, Dipeptidyl aminopeptidase III, Dipeptidyl arylamidase III, Dipeptidyl peptidase III) (AP)
Product Gene Name	anti-DPP3 antibody
Product Synonym Names	DPP3; Dipeptidyl peptidase 3; Dipeptidyl aminopeptidase III; Dipeptidyl arylamidase III; Dipeptidyl peptidase III
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	69,658 Da
OMIM	606818
3D Structure	ModBase 3D Structure for Q9NY33
Immunogen	DPP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 590-620 amino acids from the C-terminal region of human DPP3.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-DPP3 antibody	Antibodies; Enzymes; Protease (Proteinase; Peptidase)
Applications Tested/Suitable for anti-DPP3 antibody	Immunofluorescence (IF), ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-DPP3 antibody	IF: 1:10-50 ELISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-DPP3 antibody	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.
Product References and Citations for anti-DPP3 antibody	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).

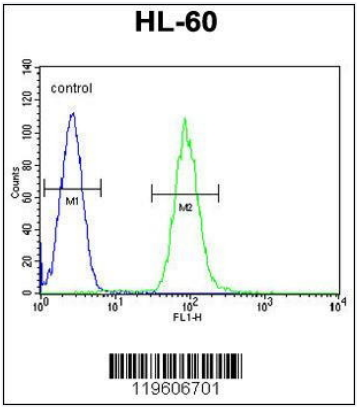
Other Notes	Small volumes of anti-DPP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPP3 purchase	MBS6293345 is an antibody targeting DPP3. Also known as DPP3, CT (DPP3, Dipeptidyl peptidase 3, Dipeptidyl aminopeptidase III, Dipeptidyl arylamidase III, Dipeptidyl peptidase III) (AP). Reactive in Human. Host: Rabbit.



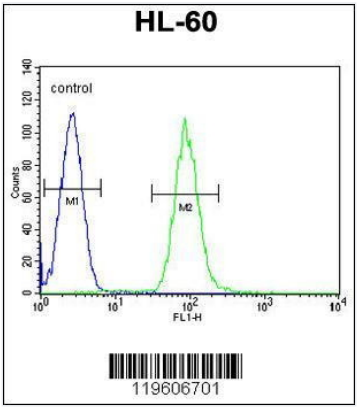
Western Blot (WB) of anti-DPP3 antibody
DPP3 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the DPP3 antibody detected the DPP3 protein (arrow).



Immunohistochemistry (IHC) of anti-DPP3 antibody
DPP3 Antibody (C-term) 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.



Flow Cytometry (FC/FACS) of anti-DPP3 antibody
DPP3 Antibody (C-term) 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.



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPP3. It may not necessarily be applicable to this product.

NCBI GI #	18491024
NCBI GeneID	10072
NCBI Accession #	NP_005691
UniProt Primary Accession #	Q9NY33
UniProt Secondary Accession #	O95748; Q969H2; Q9BV67; Q9HAL6; B2RDB5; B4DLX4; F5H8L6
UniProt Related Accession #	Q9NY33
GenBank Nucleotide #	NM_005700.4
NCBI Official Full Name	dipeptidyl peptidase 3 isoform 1

NCBI Official Synonym Full Names	dipeptidyl-peptidase 3
NCBI Official Symbol	DPP3
NCBI Official Synonym Symbols	DPPIII
UniProt Protein Name	Dipeptidyl peptidase 3
UniProt Synonym Protein Names	Dipeptidyl aminopeptidase III; Dipeptidyl arylamidase III; Dipeptidyl peptidase III; DPP III; Enkephalinase B
UniProt Gene Name	DPP3
UniProt Synonym Gene Names	DPP III
UniProt Entry Name	DPP3_HUMAN
NCBI Protein Information	dipeptidyl peptidase 3
NCBI Summary for DPP3	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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2012]
Research Articles on DPP3	**1.** The study used three different conformations of human dipeptidyl-peptidase III (DPP III) to investigate the influence of the protein environment on ligand binding and the Zn(2+) coordination.
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