

DPP3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55042

Specification

DPP3 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9NY33
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DPP3
Epitope Specificity	1-100/737
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the peptidase M49 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Dipeptidyl peptidases (DPPs) mediate regulatory activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. DPPs have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. DPPs can bind specific voltage-gated potassium channels and alter their expression and biophysical properties and may also influence T cells. DPP proteins include DPRP1, DPRP2, DPP3, DPP7, DPP10, DPPX and CD26. DPP3 (dipeptidyl-peptidase 3), also known as DPPIII, is a zinc-exopeptidase that belongs to the peptidase M49 family. DPP3 localizes to the cytoplasm and is involved in intracellular protein catabolism. More specifically, DPP3 is an important enzyme involved in the degradation of enkephalins. An increase in the activity of DPP3 is implicated in ovarian and endometrial cancers.

DPP3 Polyclonal Antibody - Additional Information

Gene ID 10072

Other Names

Dipeptidyl peptidase 3, 3.4.14.4, Dipeptidyl aminopeptidase III, Dipeptidyl arylamidase III, Dipeptidyl peptidase III, DPP III, Enkephalinase B, DPP3

Dilution

WB~~1:1000<br \><span class

=IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DPP3 Polyclonal Antibody - 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 Polyclonal Antibody - 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 Polyclonal Antibody - Images