

## **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
Reactivity
Rat, Pig, Dog
Host
Clonality
Polyclonal
Calculated MW
Rat, Pig, Dog
Rabbit
Rabbit
Rathuran

Physical State

Immunogen

Liquid

KLH conjugated synthetic peptide derived

from human DPP3

Epitope Specificity 1-100/737

Isotype IgG

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY
Important Note

Belongs to the peptidase M49 family.

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**

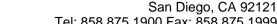
#### Gene ID 10072

## **Other Names**

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

### **Dilution**

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>





="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class ="dilution IF">IF~~1:50~200</span><br/>or \><span class ="dilution ICC">ICC~~N/A</span><br/>or \> \><span class ="dilution E">E~~N/A</span>

#### **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: <a href="http://www.uniprot.org/citations/1515063" target=" blank">1515063</a>, PubMed:<a href="http://www.uniprot.org/citations/3233187" target="blank">3233187</a>). Also cleaves Arg-Arg-beta-naphthylamide (in vitro) (PubMed:<a href="http://www.uniprot.org/citations/11209758" target="\_blank">11209758</a>, PubMed:<a href="http://www.uniprot.org/citations/3233187" target="\_blank">3233187</a>, PubMed:<a href="http://www.uniprot.org/citations/9425109" target="\_blank">9425109</a>).

# **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 Cytomety
- Cell Culture

# **DPP3 Polyclonal Antibody - Images**