

DPP8 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6506b

Specification

DPP8 Antibody (C-term) - Product Information

Application WB, IHC-P, FC,E Primary Accession **Q6V1X1** Other Accession **080YA7** Reactivity Human Predicted Mouse Host Rabbit Clonality **Polyclonal** Isotype Rabbit Ia Calculated MW 103358 Antigen Region 846-876

DPP8 Antibody (C-term) - Additional Information

Gene ID 54878

Other Names

Dipeptidyl peptidase 8, DP8, Dipeptidyl peptidase IV-related protein 1, DPRP-1, Dipeptidyl peptidase VIII, DPP VIII, Prolyl dipeptidase DPP8, DPP8, DPRP1

Target/Specificity

This DPP8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 846-876 amino acids from the C-terminal region of human DPP8.

Dilution

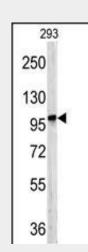
WB~~1:1000 IHC-P~~1:50~100 FC~~1:10~50

Format

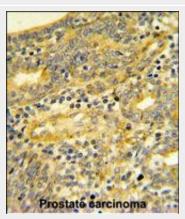
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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.



Western blot analysis of DPP8 antibody (C-term) (Cat.# AP6506b) in 293 cell line lysates (35ug/lane). DPP8 (arrow) was detected using the purified Pab.



DPP8 Antibody (C-term) (Cat.# AP6506b) IHC analysis in formalin fixed and paraffin embedded human Prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DPP8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Precautions

DPP8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DPP8 Antibody (C-term) - Protein Information

Name DPP8 {ECO:0000303|PubMed:11012666,

itations/11012666"

{ECO:0000303|PubMed:11012666, ECO:0000312|HGNC:HGNC:16490}

Function

Dipeptidyl peptidase that cleaves off N-terminal dipeptides from proteins having a Pro or Ala residue at position 2 (PubMed:http://www.uniprot.org/c

target="_blank">11012666,

PubMed: <a href="http://www.uniprot.org/ci tations/12534281"

target="_blank">12534281,

PubMed:<a href="http://www.uniprot.org/ci tations/12662155"

target="_blank">12662155,

PubMed: <a href="http://www.uniprot.org/ci tations/15039077"

target="_blank">15039077,

PubMed: <a href="http://www.uniprot.org/ci tations/15664838"

target=" blank">15664838,

PubMed:<a href="http://www.uniprot.org/ci tations/20536396"

target=" blank">20536396)

(Probable). Acts as an inhibitor of

caspase-1-dependent monocyte and

macrophage pyroptosis: inhibits pyroptosis by preventing activation of NLRP1 and

CARD8 via an unknown mechanism

(PubMed:<a href="http://www.uniprot.org/c itations/27820798"

target=" blank">27820798,

PubMed: <a href="http://www.uniprot.org/ci tations/29967349"

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PubMed:<a href="http://www.uniprot.org/ci

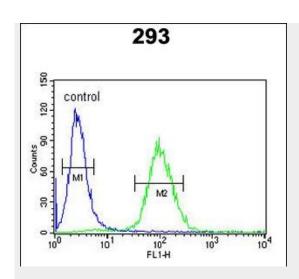
tations/32796818"

target=" blank">32796818).

Cellular Location Cytoplasm

Tissue Location

Ubiquitously expressed, with highest levels in testis, placenta, prostate, muscle and brain



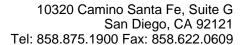
DPP8 Antibody (C-term) (Cat. #AP6506b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DPP8 Antibody (C-term) - Background

DPP8 is a member of the peptidase S9B family, a small family of dipeptidyl peptidases that are able to cleave peptide substrates at a prolyl bond. The protein shares similarity with dipeptidyl peptidase IV in that it is ubiquitously expressed, and hydrolyzes the same substrates. These similarities suggest that, like dipeptidyl peptidase IV, this protein may play a role in T-cell activation and immune function.

DPP8 Antibody (C-term) - References

Ajami,K., FEBS Lett. 582 (5), 819-825 (2008) Lee,H.J., J. Biol. Chem. 281 (50), 38653-38662 (2006)





DPP8 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture