

DPP10 Antibody (Center) Blocking Peptide

Synthetic peptide

Catalog # BP9000c

Specification

DPP10 Antibody (Center) Blocking Peptide - Product Information

Primary Accession

[Q8N608](#)**DPP10 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 57628

Other Names

Inactive dipeptidyl peptidase 10, Dipeptidyl peptidase IV-related protein 3, DPRP-3, Dipeptidyl peptidase X, DPP X, Dipeptidyl peptidase-like protein 2, DPL2, DPP10, DPRP3, KIAA1492

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9000c](/products/AP9000c) was selected from the Center region of human DPP10. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DPP10 Antibody (Center) Blocking Peptide - Protein Information

Name DPP10

Synonyms DPRP3, KIAA1492

Function

Promotes cell surface expression of the potassium channel KCND2 (PubMed: [15454437](http://www.uniprot.org/citations/15454437)). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed: [15454437](http://www.uniprot.org/citations/15454437)). Has no dipeptidyl aminopeptidase activity (PubMed: [12662155](http://www.uniprot.org/citations/12662155)).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q6NXX7, ECO:0000269|PubMed:14566338}; Single-pass

type II membrane protein {ECO:0000250|UniProtKB:P42658}

Tissue Location

Found in serum, T-cells and brain (at protein level). Expressed in brain, pancreas, spinal cord and adrenal glands

DPP10 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DPP10 Antibody (Center) Blocking Peptide - Images**DPP10 Antibody (Center) Blocking Peptide - Background**

DPP10 is a single-pass type II membrane protein that is a member of the S9B family in clan SC of the serine proteases. This protein has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties.

DPP10 Antibody (Center) Blocking Peptide - References

Blakey J.D., et.al., Thorax 64:381-387(2009).