

Goat Anti-Dipeptidylpeptidase 10 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1320a**Specification**

Goat Anti-Dipeptidylpeptidase 10 Antibody - Product Information

Application	WB, E
Primary Accession	Q8N608
Other Accession	NP_001004360 , 57628
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	90888

Goat Anti-Dipeptidylpeptidase 10 Antibody - 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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Dipeptidylpeptidase 10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Dipeptidylpeptidase 10 Antibody - Protein Information**Name** DPP10**Synonyms** DPRP3, KIAA1492

Function

Promotes cell surface expression of the potassium channel KCND2 (PubMed:15454437). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:15454437). Has no dipeptidyl aminopeptidase activity (PubMed: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

Goat Anti-Dipeptidylpeptidase 10 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](#)

Goat Anti-Dipeptidylpeptidase 10 Antibody - Images

AF1320a (0.1 µg/ml) staining of human bone marrow lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Dipeptidylpeptidase 10 Antibody - Background

This gene encodes 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. Mutations in this gene have been associated with asthma. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Goat Anti-Dipeptidylpeptidase 10 Antibody - References

Analyses of shared genetic factors between asthma and obesity in children. Meln E, et al. J Allergy Clin Immunol, 2010 Sep. PMID 20816195.

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

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A genome-wide association study of bipolar disorder in Norwegian individuals, followed by replication in Icelandic sample. Djurovic S, et al. J Affect Disord, 2010 Oct. PMID 20451256.

Family-based association study for bipolar affective disorder. Secolin R, et al. Psychiatr Genet, 2010 Jun. PMID 20414141.