

Goat Anti-ATP13A1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1126a**Specification**

Goat Anti-ATP13A1 Antibody - Product Information

Application	WB
Primary Accession	Q9HD20
Other Accession	NP_065143 , 57130 , 170759 (mouse) , 290673 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	132955

Goat Anti-ATP13A1 Antibody - Additional Information**Gene ID** 57130**Other Names**

Manganese-transporting ATPase 13A1, 3.6.3.-, ATP13A1, ATP13A, KIAA1825

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-ATP13A1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ATP13A1 Antibody - Protein Information**Name** ATP13A1 {ECO:0000303|PubMed:32973005, ECO:0000312|HGNC:HGNC:24215}**Function**

Endoplasmic reticulum translocase required to remove mitochondrial transmembrane proteins mistargeted to the endoplasmic reticulum (PubMed:32973005, PubMed:36264797). Acts as a dislocase that mediates the ATP-dependent extraction of mislocalized mitochondrial

transmembrane proteins from the endoplasmic reticulum membrane (PubMed:32973005). Specifically binds mitochondrial tail-anchored transmembrane proteins: has an atypically large substrate-binding pocket that recognizes and binds moderately hydrophobic transmembranes with short hydrophilic luminal domains (PubMed:32973005).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Goat Anti-ATP13A1 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-ATP13A1 Antibody - Images



AF1126a (0.3 µg/ml) staining of human kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ATP13A1 Antibody - References

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.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

Human plasma N-glycoproteome analysis by immunoaffinity subtraction, hydrazide chemistry, and

mass spectrometry. Liu T, et al. J Proteome Res, 2005 Nov-Dec. PMID 16335952.