

Goat anti-TRPV5, Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4430a**Specification**

Goat anti-TRPV5, Biotinylated Antibody - Product Information

Application	WB, IF, ICC, Pep-ELISA
Primary Accession	O9NQA5
Other Accession	NP_062815.3
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	82562

Goat anti-TRPV5, Biotinylated Antibody - Additional Information**Gene ID** 56302**Other Names**

TRPV5; transient receptor potential cation channel subfamily V member 5; CAT2; ECAC1; OTRPC3; calcium transport protein 2; calcium transporter 2; epithelial calcium channel 1; osm-9-like TRP channel 3; transient receptor potential cation channel, subfamil

Dilution

WB~~1:1000
IF~~1:50~200
ICC~~N/A
Pep-ELISA~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

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-TRPV5, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-TRPV5, Biotinylated Antibody - Protein Information**Name** TRPV5**Synonyms** ECAC1 {ECO:0000303|PubMed:10945469}

Function

Constitutively active calcium selective cation channel thought to be involved in Ca^{2+} reabsorption in kidney and intestine (PubMed:11549322, PubMed:18768590). Required for normal Ca^{2+} reabsorption in the kidney distal convoluted tubules (By similarity). The channel is activated by low internal calcium level and the current exhibits an inward rectification (PubMed:11549322, PubMed:18768590). A Ca^{2+} -dependent feedback regulation includes fast channel inactivation and slow current decay (By similarity). Heteromeric assembly with TRPV6 seems to modify channel properties. TRPV5-TRPV6 heteromultimeric concatemers exhibit voltage-dependent gating (By similarity).

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Note=Colocalized with S100A10 and ANAX2 along the apical domain of kidney distal tubular cells (By similarity) The expression of the glycosylated form in the cell membrane is increased in the presence of WNK3 (PubMed:18768590) {ECO:0000250|UniProtKB:P69744, ECO:0000269|PubMed:18768590}

Tissue Location

Expressed at high levels in kidney, small intestine and pancreas, and at lower levels in testis, prostate, placenta, brain, colon and rectum.

Goat anti-TRPV5, Biotinylated 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-TRPV5, Biotinylated Antibody - Images