

**TrpV5 Rabbit mAb**  
**Catalog # AP76207****Specification**

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**TrpV5 Rabbit mAb - Product Information**

Application	WB, IP
Primary Accession	<a href="#">Q9NQA5</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	82562

**TrpV5 Rabbit mAb - Additional Information****Gene ID** 56302**Other Names**  
TRPV5**Dilution**  
WB~~1/500-1/1000  
IP~~N/A**Format**  
Liquid**TrpV5 Rabbit mAb - 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:<a href="http://www.uniprot.org/citations/11549322" target="\_blank">11549322</a>, PubMed:<a href="http://www.uniprot.org/citations/18768590" target="\_blank">18768590</a>). 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:<a href="http://www.uniprot.org/citations/11549322" target="\_blank">11549322</a>, PubMed:<a href="http://www.uniprot.org/citations/18768590" target="\_blank">18768590</a>). 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.

**TrpV5 Rabbit mAb - 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](#)

**TrpV5 Rabbit mAb - Images**