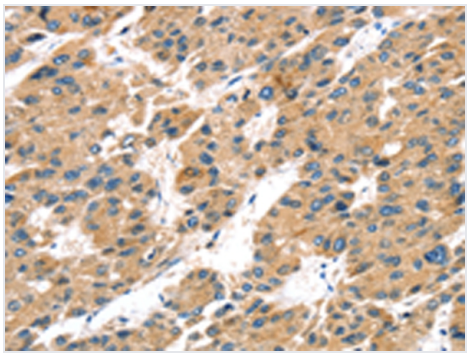
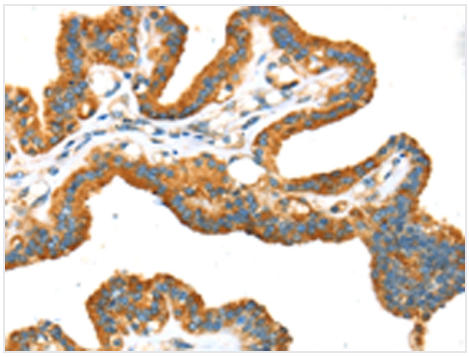
TRPV5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRPV5, Polyclonal Antibody
Full Product Name	TRPV5 Antibody
Product Gene Name	anti-TRPV5 antibody
Product Synonym Names	CAT2; ECAC1; OTRPC3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	1.6 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total TRPV5 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	43,186 Da
OMIM	606679
3D Structure	ModBase 3D Structure for Q9NQA5
Immunogen	Synthetic peptide of human TRPV5
Immunogen Type	Peptide
Product Categories/Family for anti-TRPV5 antibody	Total protein Ab
Applications Tested/Suitable for anti-TRPV5 antibody	Immunohistochemistry (IHC)
Application Notes for anti-TRPV5 antibody	Immunohistochemistry: 1:25-1:100
Related Product Information for anti-TRPV5 antibody	This gene is a member of the transient receptor family and the TrpV subfamily. The calcium-selective channel encoded by this gene has 6 transmembrane-spanning domains, multiple potential phosphorylation sites, an N-linked glycosylation site, and 5 ANK repeats. This protein forms homotetramers or heterotetramers and is activated by a low internal calcium level.
Other Notes	Small volumes of anti-TRPV5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRPV5 purchase	MBS9416347 is an antibody targeting TRPV5. Also known as TRPV5 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-TRPV5 antibody
Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/25.



Immunohistochemistry (IHC) of anti-TRPV5 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/25.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRPV5. It may not necessarily be applicable to this product.

NCBI GI #	730229359
NCBI GeneID	56302
NCBI Accession #	NP_062815.3
UniProt Primary Accession #	Q9NQA5
UniProt Secondary Accession #	Q8N4C1; Q8NDW5; Q8NDX7; Q8NDX8; Q96PM6; A4D2H7; E9PBZ6
UniProt Related Accession #	Q9NQA5
GenBank Nucleotide #	NM_019841.6
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 5
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily V member 5
NCBI Official Symbol	TRPV5
NCBI Official Synonym Symbols	CAT2; ECAC1; OTRPC3
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 5
UniProt Synonym Protein Names	Calcium transport protein 2; CaT2; Epithelial calcium channel 1; ECaC; ECaC1; Osm-9-like TRP channel 3; OTRPC3
Protein Family	Transient receptor potential cation channel subfamily
UniProt Gene Name	TRPV5
UniProt Synonym Gene Names	ECAC1; TrpV5; CaT2; ECaC; ECaC1; OTRPC3
UniProt Entry Name	TRPV5_HUMAN
NCBI Protein Information	transient receptor potential cation channel subfamily V member 5

UniProt Comments for TRPV5	TRPV5: Constitutively active calcium selective cation channel thought to be involved in Ca(2+) reabsorption in kidney and intestine. The channel is activated by low internal calcium level and the current exhibits an inward rectification. A Ca(2+)- dependent feedback regulation includes fast channel inactivation and slow current decay. Heteromeric assembly with TRPV6 seems to modify channel properties. TRPV5-TRPV6 heteromultimeric concatemers exhibit voltage-dependent gating. Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV5 sub-subfamily. Protein type: Channel, cation; Membrane protein, integral; Membrane protein, multi-pass; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 7q35 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: calcium channel activity; protein binding Biological Process: calcium ion homeostasis; calcium ion transport; protein tetramerization
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