

Rabbit anti-Human TRPM6 (CHAK2) Polyclonal Antibody | anti-TRPM6 antibody

TRPM6 (CHAK2) Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284536	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

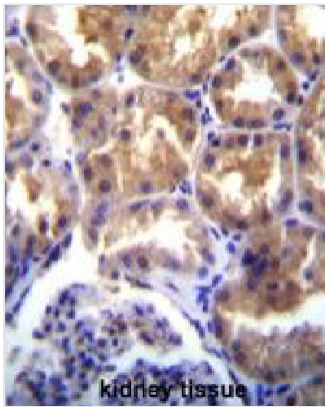
PRODUCT SYNONYMS

TRPM6 (CHAK2); Polyclonal Antibody; TRPM6 (CHAK2) Antibody (Center); Transient receptor potential cation channel subfamily M member 6; Channel kinase 2; Melastatin-related TRP cation channel 6; TRPM6; CHAK2; anti-TRPM6 antibody

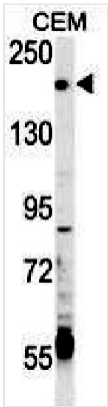
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This TRPM6 (CHAK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-348 amino acids from the Central region of human TRPM6 (CHAK2).
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	2017
Applicable Applications for anti-TRPM6 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Region	317-348
Function	Essential ion channel and serine/threonine-protein kinase. Crucial for magnesium homeostasis. Has an important role in epithelial magnesium transport and in the active magnesium absorption in the gut and kidney. Isoforms of the type M6-kinase lack the ion channel region.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Highly expressed in kidney and colon. Isoform TRPM6a and isoform TRPM6b, are coexpressed with TRPM7 in kidney, and testis, and are also found in several cell lines of lung origin Isoform TRPM6c is detected only in testis and in NCI-H510A small cell lung carcinoma cells.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
TRPM6(CHAK2) Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRPM6 Antibody (CHAK2) (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CHAK2 Antibody (H332) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the CHAK2 antibody detected the CHAK2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM6 antibody	CHAK2 is a member of the ion channel proteins. It regulates the calcium concentration in cells, which is imperative for such functions as muscle contractions and neuronal firing. It is also upregulated in certain forms of cancer and could play a role in diabetes.
Product Categories/Family for anti-TRPM6 antibody	Signal Transduction
References	Blume-Jensen P, et al. Nature 2001. 411: 355. Cantrell D, J. Cell Sci. 2001. 114: 1439. Jhiang S Oncogene 2000. 19: 5590. Manning G, et al. Science 2002. 298: 1912. Moller, D, et al. Am. J. Physiol. 1994. 266: C351-C359. Robertson, S. et al. Trends Genet. 2000. 16: 368. Robinson D, et al. Oncogene 2000. 19: 5548. Van der Ven, P, et al. Hum. Molec. Genet. 1993. 2: 1889. Vanhaesebroeck, B, et al. Biochem. J. 2000. 346: 561. Van Weering D, et al. Recent Results Cancer Res. 1998. 154: 271.

NCBI AND UNIPROT INFORMATION

NCBI GI #	293597572
NCBI GeneID	140803
NCBI Accession #	NP_001170781.1; NP_001170782.1; NP_060132.3
NCBI GenBank Nucleotide #	NM_001177310.1
UniProt Accession #	Q9BX84; Q6VPR8; Q6VPR9; Q6VPS0; Q6VPS1; Q6VPS2
Molecular Weight	231708
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 6 isoform b
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily M, member 6
NCBI Official Symbol	TRPM6
NCBI Official Synonym Symbols	HSH; HMGX; HOMG; CHAK2; HOMG1
NCBI Protein Information	transient receptor potential cation channel subfamily M member 6

UniProt Protein Name	Transient receptor potential cation channel subfamily M member 6
UniProt Gene Name	TRPM6
UniProt Synonym Gene Names	CHAK2
UniProt Entry Name	TRPM6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/trpm6-chak2-antibody-immunohistochemistry-western-blot-elisa/284536>