Rabbit anti-Human TC10/RHOQ Monoclonal Antibody | anti-RHOQ antibody

TC10/RHOQ Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282827	**Rabbit**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

TC10/RHOQ; Monoclonal Antibody; TC10/RHOQ Rabbit mAb; ARHQ; TC10; TC10A; RASL7A; HEL-S-42; anti-RHOQ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	KEEWVPELKE YAPNVPFLLI GTQIDLRDDP KTLARLNDMK EKPICVEQGQ KLAKEIGACC YVECSALTQK GLKTVFDEAI IAILTPKKHT VKKRIGSRCI NCCLIT
Applicable Applications for anti-RHOQ antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-205 of human TC10/RHOQ (P17081).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemistry analysis of paraffin-embedded Rat spleen using TC10/RHOQ Rabbit mAb (AAA282827) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

WB (Western Blot)
Western blot analysis of lysates from Rat heart, using TC10/RHOQ Rabbit mAb (AAA282827) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

WB (Western Blot)
Western blot analysis of various lysates using TC10/RHOQ Rabbit mAb (AAA282827) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-RHOQ antibody	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein is an important signalling protein for sarcomere assembly and has been shown to play a significant role in the exocytosis of the solute carrier family 2, facilitated glucose transporter member 4 and other proteins, possibly acting as the signal that turns on the membrane fusion machinery. Three related pseudogene have been identified on chromosomes 2 and 14.
Product Categories/Family for anti-RHOQ antibody	Signal Transduction; G protein signaling; Small G proteins; Endocrine Metabolism; Insulin Receptor Signaling Pathway; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50263042
NCBI GeneID	23433
NCBI Accession #	NP_036381.2
NCBI GenBank Nucleotide #	NM_012249.3
UniProt Accession #	P17081; Q0VGN1; Q52LS8; Q53SJ1; Q6NS39; Q6P146; Q7Z480; D6W5A6
Molecular Weight	Calculated MW: 23kDa Observed MW: 23kDa
UniProt Protein Name	Rho-related GTP-binding protein RhoQ
UniProt Gene Name	**RHOQ**
UniProt Synonym Gene Names	ARHQ; RASL7A; TC10
UniProt Entry Name	RHOQ_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://stage.aaabiotech.com/monoclonal/tc10-rhoq-antibody-immunohistochemistry-western-blot-elisa/282827