

Rabbit anti-Human, Mouse TRPS1 Polyclonal Antibody | anti-TRPS1 antibody

TRPS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324159	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TRPS1; Polyclonal Antibody; TRPS1 Antibody; GC79; LGCR; Transcriptional repressor GATA binding 1; Tricho rhino phalangeal syndrome I; Tricho-rhino-phalangeal syndrome type I protein; Trichorhinophalangeal syndrome I; Trichorhinophalangeal syndrome I homolog; TRPS 1; trpS1; TRPS1 gene; TRPS1_HUMAN; Zinc finger protein GC79; Zinc finger transcription factor TRPS 1; Zinc finger transcription factor Trps1; anti-TRPS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TRPS1 antibody detects endogenous levels of total TRPS1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1285
Applicable Applications for anti-TRPS1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitously expressed in the adult. Found in fetal brain, lung, kidney, liver, spleen and thymus. More highly expressed in androgen-dependent than in androgen-independent prostate cancer cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using TRPS1 Antibody.



IHC (Immunohistochemistry)
AAA324159 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPS1 antibody	Function: Transcriptional repressor. Binds specifically to GATA sequences and represses expression of GATA-regulated genes at selected sites and stages in vertebrate development. Regulates chondrocyte proliferation and differentiation. Executes multiple functions in proliferating chondrocytes, expanding the region of distal chondrocytes, activating proliferation in columnar cells and supporting the differentiation of columnar into hypertrophic chondrocytes. Subunit Structure: Interacts with RNF4; regulates TRPS1 repressor activity. Interacts specifically with the activator form of GLI3 (GLI3A) but not with the repressor form (GLI3R). Post-translational Modifications: Sumoylated. Sumoylation in the repressor domain inhibits the transcription repression activity. Sumoylation on Lys-1201 is the major site. Appears to be sumoylated on multiple sites.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544710995
NCBI GeneID	7227
NCBI Accession #	NP_001269831.1
NCBI GenBank Nucleotide #	NM_001282902.2
UniProt Accession #	Q9UHF7; Q08AU2; Q9NWE1; Q9UHH6; B4E1Z5
Molecular Weight	Predicted: 142 kDa
NCBI Official Full Name	zinc finger transcription factor Trps1 isoform 2
NCBI Official Synonym Full Names	transcriptional repressor GATA binding 1
NCBI Official Symbol	TRPS1
NCBI Official Synonym Symbols	GC79; LGCR
NCBI Protein Information	zinc finger transcription factor Trps1
UniProt Protein Name	Zinc finger transcription factor Trps1
UniProt Gene Name	TRPS1

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.