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TRPC1 Antibody

Rabbit mAb
Catalog # AP92115

Product Information

Application	WB
Primary Accession	P48995
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	HTRP1; Mtrp1; TRP1; TRPC1; Trrp1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	91212

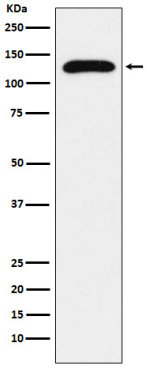
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TRPC1
Description	Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Seems to be also activated by intracellular calcium store depletion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	TRPC1
Synonyms	TRP1
Function	Forms a receptor-activated non-selective calcium permeant cation channel (PubMed:11139478, PubMed:15016832, PubMed:39478185). Forms a heteromeric ion channel with TRPC4 or TRPC5 that has reduced calcium permeability compared to the homomeric TRPC4 or TRPC5 channel (PubMed:39478185). Also permeable to monovalent ions including sodium, lithium and cesium ions (PubMed:39478185).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Seems to be ubiquitous.

Images



Western blot analysis of TRPC1 expression in HepG2 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.