

AP07512PU-N**Polyclonal Antibody to TRPC3 / TRP3 - Aff - Purified**

Alternate names:	Short transient receptor potential channel 3, TRP-3, Transient receptor protein 3
Quantity:	50 µg
Concentration:	1 mg/ml
Background:	The transient receptor potential canonical (TRPC) group of channels, including TRPC3, is a family of receptor-activated non-selective calcium permeant cation channels. In vitro TRPC proteins can form hetero- or homo-oligomeric channels. Endogenous TRPC1, TRPC3 and TRPC7 participate in forming heteromeric store-operated channels, while TRPC3 and TRPC7 can also participate in forming heteromeric receptor-operated channels. TRPC3 plays important roles in neuronal differentiation and immune cell maturation by mediating the cationic current in response to phospholipase C activation, Ca(2+) depletion, and diacylglycerol stimulation. TRPC3 channels are highly expressed in pontine neurons and mediate a nonselective cation current in response to the neurotrophin receptor, TrkB.
Uniprot ID:	Q13507
NCBI:	NP_001124170.1
GeneID:	7222
Host:	Rabbit
Immunogen:	Synthetic peptide
Format:	State: Liquid purified Ig fraction. Purification: Immunoaffinity Chromatography Buffer System: Phosphate buffered saline containing 0.02% Sodium Azide as preservative.
Applications:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to a 14 amino acid peptide from near the carboxy terminus of TRPC3. Species: Human, Mouse and Rat. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.

Pictures:

Spleen: Formalin-Fixed Paraffin-Embedded (FFPE)

