

Product datasheet for **AP07512PU-N**

TRPC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide
Specificity:	This antibody reacts to a 14 amino acid peptide from near the carboxy terminus of TRPC3.
Formulation:	Phosphate buffered saline containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	transient receptor potential cation channel subfamily C member 3
Database Link:	Entrez Gene 7222 Human Q13507



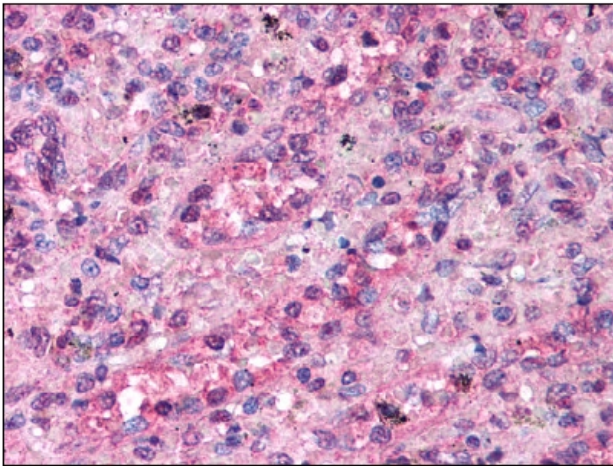
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Background:

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.

Synonyms:

Transient receptor protein 3, TRP-3

Product images:

Spleen: Formalin-Fixed Paraffin-Embedded (FFPE)