

Datasheet for ABIN657691
anti-TRPC5 antibody (N-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	TRPC5
Binding Specificity:	AA 254-283, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TRPC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 254-283 amino acids from the N-terminal region of human TRPC5.
Clone:	RB33871
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TRPC5
Alternative Name:	TRPC5 (TRPC5 Products)
Background:	This gene belongs to the transient receptor family. It encodes one of the seven mammalian

Target Details

TRPC (transient receptor potential channel) proteins. The encoded protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. It also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na(+)-H⁺ exchange regulatory factor (NHERF), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1).

Molecular Weight: 111412

Gene ID: 7224

NCBI Accession: [NP_036603](#)

UniProt: [Q9UL62](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

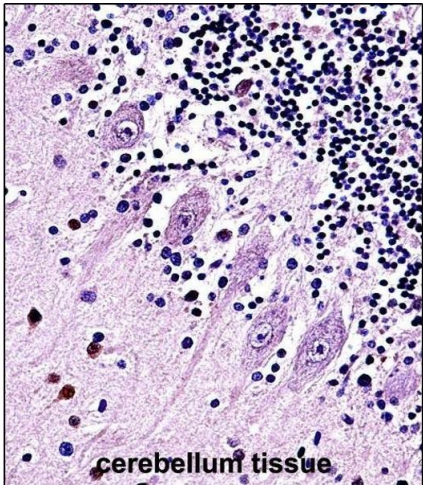
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

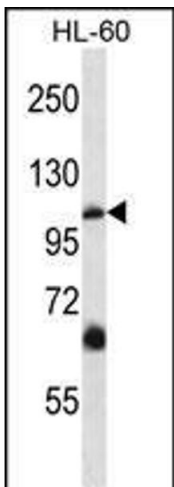
Storage Comment: TRPC5 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. TRPC5 Antibody (N-term) (ABIN657691 and ABIN2846682) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRPC5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. TRPC5 Antibody (N-term) (ABIN657691 and ABIN2846682) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the TRPC5 antibody detected the TRPC5 protein (arrow).