

Datasheet for ABIN184611
anti-TRPM7 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	TRPM7
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This TRPM7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	TRPM7 / LTRPC7
Immunogen:	Peptide with sequence C-TKESESTNSVRLML, from the C Terminus of the protein sequence according to NP_060142.3.
Sequence:	TKESESTNSV RLML
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

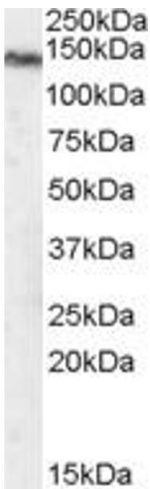
Target:	TRPM7
Alternative Name:	TRPM7 (TRPM7 Products)
Background:	TRPM7, transient receptor potential cation channel, subfamily M, member 7, CHAK, CHAK1, LTRPC7, FLJ20117, TRP-PLIK, LTRPC ion channel family member 7, homolog of mouse transient receptor potential-phospholipase C-interacting kinase CHaK hypothetical prote
Gene ID:	54822
NCBI Accession:	NP_060142 , NP_001288141

Application Details

Application Notes:	Immunohistochemistry: In paraffin embedded Mouse Brain shows neuronal staining in the Hippocampus. Recommended concentration: 4-6 µg/mL. Peptide ELISA: antibody detection limit dilution 1:8000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm and nuclei of U2OS cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

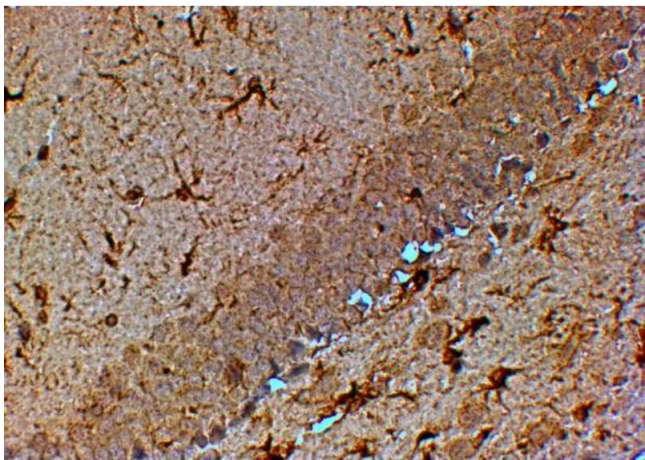
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



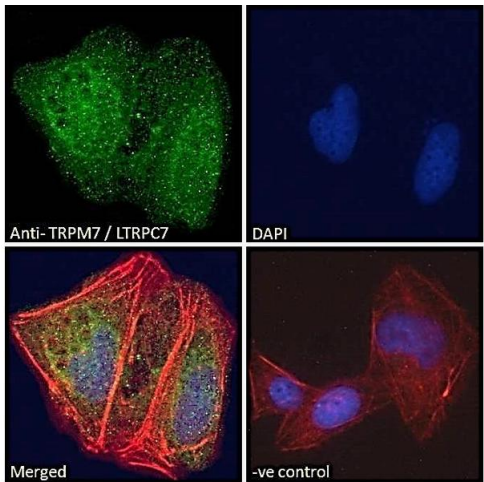
Western Blotting

Image 1. ABIN184611 staining (1 ug/ml) of Human Brain (hippocampus) lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry

Image 2. ABIN184611 (4µg/ml) staining of paraffin embedded Mouse Hippocampus. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining. Similar results were obtained after antigen retrieval at pH9.



Immunofluorescence

Image 3. ABIN184611 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments