Rabbit anti-Human, Mouse TRPM7 Polyclonal Antibody | anti-TRPM7 antibody

Rabbit anti-TRPM7 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211969	**Rabbit**	**Human, Mouse**	**Immunoprecipitation, Western Blot**

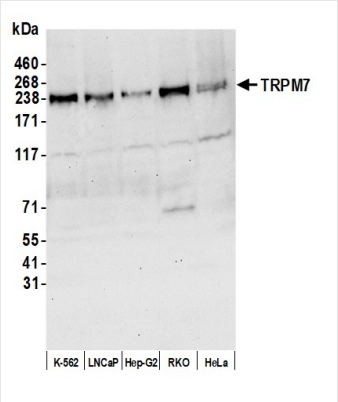
PRODUCT SYNONYMS

TRPM7; Polyclonal Antibody; Rabbit anti-TRPM7 Antibody; Affinity Purified; LTRPC7; TRP-PLIK; transient receptor potential-phospholipase C-interacting kinase; transient receptor potential cation channel subfamily M member 7; LTrpC-7; LTRPC ion channel family member 7; long transient receptor potential channel 7; channel-kinase 1; CHAK1; ALSPDC; CHAK; Transient receptor potential cation channel subfamily M member 7; anti-TRPM7 antibody

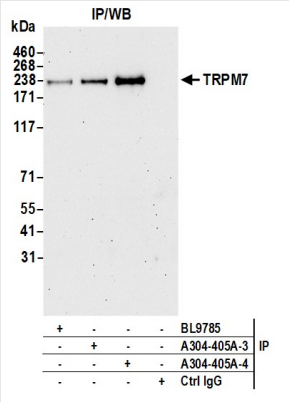
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-TRPM7 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1815 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)
Detection of human TRPM7 by western blot. Samples: Whole cell lysate (35 ug) from K-562, LNCaP, Hep-G2, RKO, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TRPM7 antibody (AAA211969 lot 4) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)
Detection of human TRPM7 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-TRPM7 antibody (AAA211969 lot 4) used for IP at 6 ug per reaction. TRPM7 was also immunoprecipitated by a previous lot of this antibody (AAA211969 lot 3) and a second antibody against a different epitope of TRPM7 (BL9785). For blotting immunoprecipitated TRPM7, AAA211969 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM7 antibody	TRPM7 (transient receptor potential cation channel, subfamily M, member 7) is both an ion channel and a serine/threonine protein kinase. The kinase activity is essential for the ion channel function, which serves to increase intracellular calcium levels and to help regulate magnesium ion homeostasis. Defects in the TRPM7 gene are a cause of amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam [taken from NCBI Entrez Gene (GeneID: 54822)].
Product Categories/Family for anti-TRPM7 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	148612863
NCBI GeneID	54822
NCBI Accession #	NP_060142.3
NCBI GenBank Nucleotide #	NM_017672.4
UniProt Accession #	Q96QT4; Q6ZMF5; Q86VJ4; Q8NBW2; Q9BXB2; Q9NXQ2
Molecular Weight	212,697 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 7
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily M, member 7
NCBI Official Symbol	TRPM7
NCBI Official Synonym Symbols	CHAK; CHAK1; ALSPDC; LTRPC7; TRP-PLIK
NCBI Protein Information	transient receptor potential cation channel subfamily M member 7; LTrpC-7; channel-kinase 1; LTRPC ion channel family member 7; long transient receptor potential channel 7; transient receptor potential-phospholipase C-interacting kinase
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 7
UniProt Gene Name	**TRPM7**
UniProt Synonym Gene Names	CHAK1; LTRPC7; LTrpC-7; LTrpC7
UniProt Entry Name	TRPM7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/trpm7-antibody-immunoprecipitation-western-blot-elisa/211969