

Immunotag™ TRPM7 Antibody

Antibody Specification	
Catalog No.	ITA8119
Product Description	Immunotag™ TRPM7 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TRPM7
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human TRPM7
Specificity	TRPM7 Antibody detects endogenous levels of total TRPM7
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TRPM7
Accession No.	Q96QT4
Alternate Names	ALSPDC; CHAK; CHAK1; Channel kinase 1; Channel-kinase 1; Long transient receptor potential channel 7; LTrpC-7; LTrpC7; Transient receptor potential cation channel subfamily M member 7; TRP PLIK; TRPM7; TRPM7_HUMAN;

Antibody Specification

Description	Essential ion channel and serine/threonine-protein kinase. Divalent cation channel permeable to calcium and magnesium. Has a central role in magnesium ion homeostasis and in the regulation of anoxic neuronal cell death. Involved in TNF-induced necroptosis downstream of MLKL by mediating calcium influx. The kinase activity is essential for the channel function. May be involved in a fundamental process that adjusts plasma membrane divalent cation fluxes according to the metabolic state of the cell. Phosphorylates annexin A1 (ANXA1).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	213 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.