

Product datasheet for **AP55348SU-N**

Trpm7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/500-1/5000. Immunohistochemistry: 1/100-1/500.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from an internal domain of Mouse TRPM7
Specificity:	Reacts with 212 kDa Trpm7 protein.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transient receptor potential cation channel, subfamily M, member 7
Database Link:	Entrez Gene 58800 Mouse Q923J1
Background:	The TRPM7 (Transient Receptor Protein-PhosphoLipase C-Interacting Kinase) protein is a member of the ion channel proteins. It regulates the calcium concentration in cells, which is imperative for such functions as muscle contractions and neuronal firing. TRPM7, however, is unique among the TRP channel proteins because it is bi-functional. It not only controls ion channels but it also acts as a kinase, phosphorylating proteins.



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Synonyms: CHAK1, LTRPC7