



Anti-TRPM7 (aa 777-855) polyclonal antibody (DPAB-DC2364)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene 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 this gene are a cause of amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam.[provided by RefSeq, May 2010]
Immunogen	TRPM7 (NP_060142.2, 777 a.a. ~ 855 a.a) partial recombinant protein with GST tag. The sequence is TKAEMSHIPQSQDAHQMTMDDSENNFQNITEEIPMEVFKEVRILDSNEGKNEMEIQMKS KKLPITRKFYAFYHAPIVK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TRPM7 transient receptor potential cation channel, subfamily M, member 7 [Homo sapiens (human)]
Official Symbol	TRPM7
Synonyms	TRPM7; transient receptor potential cation channel, subfamily M, member 7; CHAK; CHAK1; ALSPDC; LTRPC7; TRP-PLIK; 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;
Entrez Gene ID	54822
Protein Refseq	NP_060142
UniProt ID	H0YLN8
Chromosome Location	15q21
Pathway	Ion channel transport; Mineral absorption; TRP channels;
Function	ATP binding; actin binding; calcium channel activity; metal ion binding
