



# 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

<b>Antigen Description</b>	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]
<b>Immunogen</b>	TRPM7 (NP_060142.2, 777 a.a. ~ 855 a.a) partial recombinant protein with GST tag. The sequence is KTKAEMSHIPQSQDAHQMTMDDSENNFQNITEEIPMEVFKEVRILDSNEGKNEMEIQMKS KKLPITRKFYAFYHAPIVK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TRPM7 transient receptor potential cation channel, subfamily M, member 7 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TRPM7
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">54822</a>
<b>Protein Refseq</b>	<a href="#">NP_060142</a>
<b>UniProt ID</b>	<a href="#">H0YLN8</a>
<b>Chromosome Location</b>	15q21
<b>Pathway</b>	Ion channel transport; Mineral absorption; TRP channels;
<b>Function</b>	ATP binding; actin binding; calcium channel activity; metal ion binding