

Anti-TRPM7 (Ser-1513), Phosphospecific Antibody

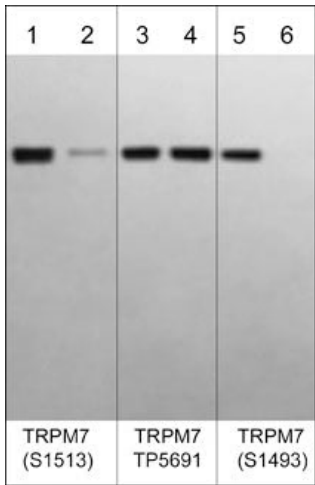


Product Details

Available Variants	100 µL (SKU:TP5671)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	TRPM7
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-TRPM7 (Ser-1513) synthetic peptide (coupled to carrier) corresponding to amino acids surrounding Ser-1513 in human TRPM7. This site is well conserved in rat and mouse TRPM7, but has low homology to other TRPM family members.
Specificity	The antibody was cross-adsorbed to unphosphorylated TRPM7 (Ser-1513) peptide then affinity purified using phospho-TRPM7 (Ser-1513) peptide. This antibody detects a 220 kDa* protein on SDS-PAGE immunoblots of human MDA-MB-231 and rat PC12 cells stimulated with calyculin A, as well as detects a 70 kDa autophosphorylated recombinant kinase domain of human TRPM7. These reactivities are not observed after lambda phosphatase treatment to dephosphorylate TRPM7.
Molecular Weight	220
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	<u>Q96QT4</u>
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-1513

Product Images



Western blot image of human autophosphorylated TRPM7 C-terminal kinase domain (lanes 1-6). The blot was treated with lambda phosphatase to dephosphorylate TRPM7 phosphosites (lanes 2, 4, & 6). The blot was probed with rabbit polyclonals anti-TRPM7 (Ser-1513), phospho-specific (lanes 1 & 2), anti-TRPM7 (a.a.1484-1497), TP5691 antibody (lanes 3 & 4), or anti-TRPM7 (Ser-1493), phospho-specific (lanes 5 & 6).

Product Page URL: www.antibodiesinc.com/products/anti-trpm7-ser-1513-phosphospecific-antibody-tp5671

