



# Rabbit Anti-Human TRPM2 Polyclonal Antibody (DPABH-27352)

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

## PRODUCT INFORMATION

Target	Human TRPM2
Immunogen	Immunogen range: Between 650 and 700
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IP
Format	Liquid
Concentration	Lot specific
Buffer	Tris-citrate/phosphate buffer, pH 7 to 8
Preservative	0.09% Sodium Azide
Storage	2 - 8° C. 1 year from date of receipt
Ship	Wet ice

## BACKGROUND

**Introduction**

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

**Keywords**

TRPM2;transient receptor potential cation channel, subfamily M, member 2;TRPC7;transient receptor potential cation channel subfamily M member 2;EREG1;KNP3;LTRPC2;NUDT9H;NUDT9L1;LTrpC-2

## GENE INFORMATION

Gene Name	transient receptor potential cation channel subfamily M member 2
Official Symbol	TRPM2
Entrez Gene ID	<a href="#">7226</a>
UniProt ID	<a href="#">O94759</a>