

PSME2 Antibody

Catalog No: #32913

Package Size: #32913-1 50ul #32913-2 100ul

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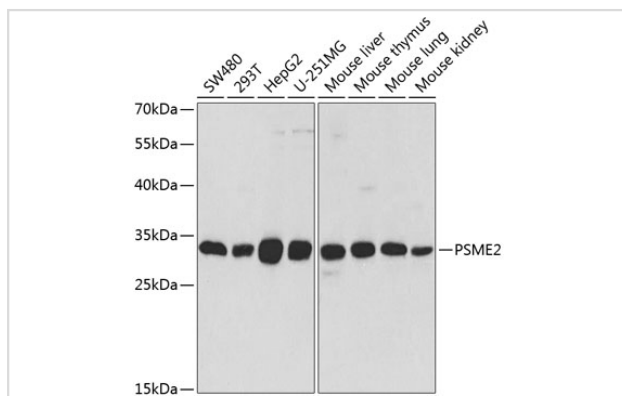
Description

Product Name	PSME2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total PSME2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PSME2.
Target Name	PSME2
Other Names	PA28B; REGbeta; PA28beta;
Accession No.	Swiss-Prot:Q9UL46NCBI Gene ID:5721
Uniprot	Q9UL46
GeneID	5721;
SDS-PAGE MW	27KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using PSME2 at 1:1000 dilution.

Background

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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three beta and three alpha subunits combine to form a heterohexameric ring. Six pseudogenes have been identified on chromosomes 4, 5, 8, 10 and 13.

Note: This product is for in vitro research use only