Product Datasheet

PSMA1 Antibody

Catalog No: #32689

Package Size: #32689-1 50ul #32689-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

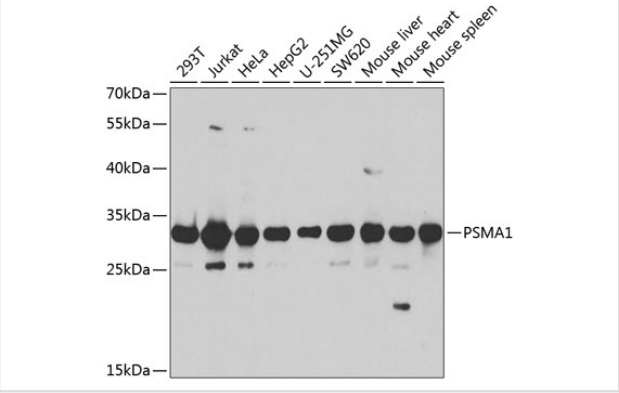
Description

Product Name	PSMA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PSMA1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PSMA1.
Target Name	PSMA1
Other Names	NU; HC2; PROS30;
Accession No.	Swiss-Prot:P25786NCBI Gene ID:5682
Uniprot	P25786
GeneID	5682;
SDS-PAGE MW	29KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

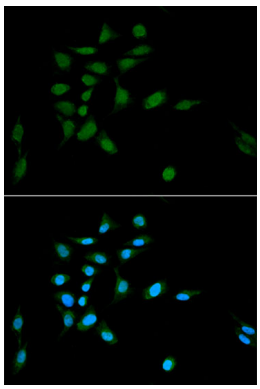
Application Details

WB□1:500 - 1:2000IF□1:10 - 1:100

Images



Western blot analysis of extracts of various cell lines, using PSMA1 at 1:1000 dilution.



Immunofluorescence analysis of U2OS cells using PSMA1 at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 a member of the peptidase T1A family, that is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Note: This product is for in vitro research use only