

Datasheet for ABIN6146317
anti-PSMB3 antibody (AA 1-205)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PSMB3
Binding Specificity:	AA 1-205
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-205 of human PSMB3 (NP_002786.2).
Sequence:	MSIMSYNGGA VMAMKGKNCV AIAADRRFGI QAQMVTTFDQ KIFPMGDRLY IGLAGLATDV QTVAQRLKFR LNLyelKEGR QIKPYTLMSM VANLLYEKRF GPYYTEPVIA GLDPKTFKPF ICSLDLIGCP MVTDDFVVSG TCAEQMYGMC ESLWEPNMDP DHLFETISQA MLNAVDRDAV SGMGVIVHII EKDKITRTL KARMD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PSMB3
Alternative Name:	PSMB3 (PSMB3 Products)
Background:	<p>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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. The 26 S proteasome may be involved in trinucleotide repeat expansion, a phenomenon which is associated with many hereditary neurological diseases. Pseudogenes have been identified on chromosomes 2 and 12. Alternative splicing results in multiple transcript variants,PSMB3,HC10-II,Cell Biology & Developmental Biology,Ubiquitin,PSMB3</p>
Molecular Weight:	22 kDa
Gene ID:	5691
UniProt:	P49720
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Cell RedoxHomeostasis , Lipid Metabolism

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

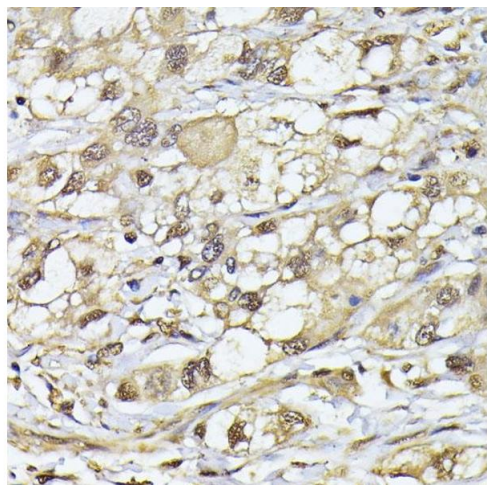
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

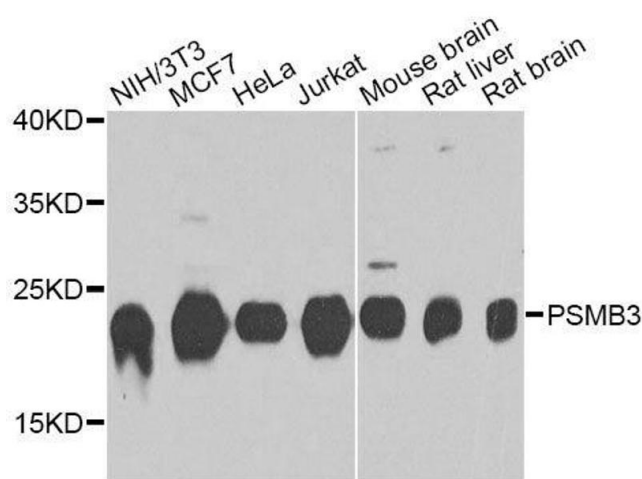
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



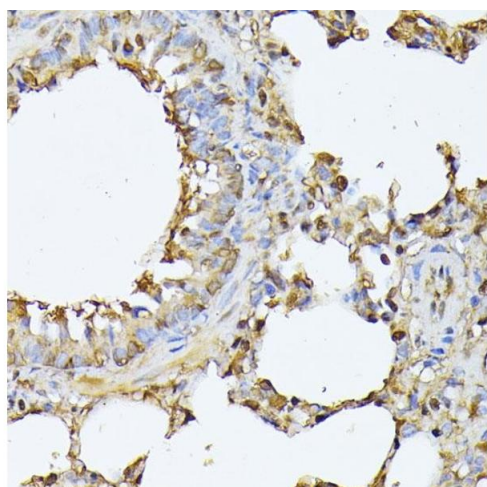
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver cancer using PSMB3 antibody (ABIN6131929, ABIN6146317, ABIN6146318 and ABIN6225280) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PSMB3 antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat lung using PSMB3 antibody (ABIN6131929, ABIN6146317, ABIN6146318 and ABIN6225280) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6146317.