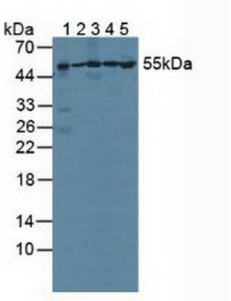
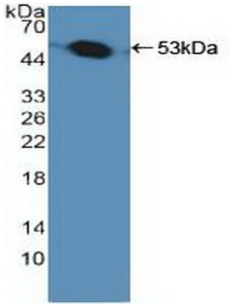
26S Proteasome Regulatory Subunit 4 (PSMC1) Antibody

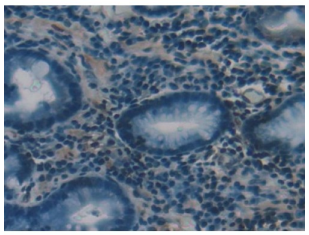
Catalogue No.:abx128623



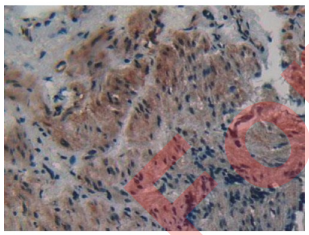
Western blot analysis of (1) Human Lung Tissue, (2) Mouse Brain Tissue, (3) Human A549 Cells, (4) Human HeLa cells and (5) Human Jurkat Cells.



Western blot analysis of recombinant Human PSMC1.



IHC-P analysis of Human Stomach Tissue, with DAB staining.



IHC-P analysis of Human Stomach Tissue, with DAB staining.

26S Proteasome Regulatory Subunit 4 (PSMC1) Antibody is a Rabbit Polyclonal against 26S Proteasome Regulatory Subunit 4 (PSMC1). 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 which have a chaperone-like activity. This subunit and a 20S core alpha subunit interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. This subunit also interacts with the adenovirus E1A protein and this interaction alters the activity of the proteasome. Finally, this subunit interacts with ataxin-7, suggesting a role for the proteasome in the development

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of spinocerebellar ataxia type 7, a progressive neurodegenerative disorder.

Target:	26S Proteasome Regulatory Subunit 4 (PSMC1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 0.01-2 µg/ml, IHC: 5-20 µg/ml, IF/ICC: 5-20 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	PSMC1 (Met1-Leu440)
Form:	Liquid
Purification:	Purified by antigen-specific affinity chromatography, followed by Protein A affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P62191 (UniProt, ExPASy)
Gene Symbol:	PSMC1
GeneID:	5700
OMIM:	602706
NCBI Accession:	NP_001317141.1, NM_001330212.1, NP_002793.2, NM_002802.2
HGNC:	9547
KEGG:	hsa:5700
Ensembl:	ENSG00000100764
String:	9606.ENSP00000261303
Buffer:	0.01 M PBS, pH 7.4, containing 0.05% Proclin-300, 50% glycerol.

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