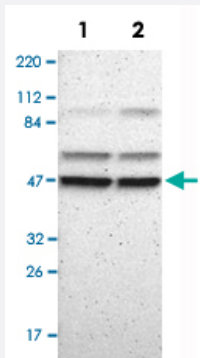


PSMC4 polyclonal antibody

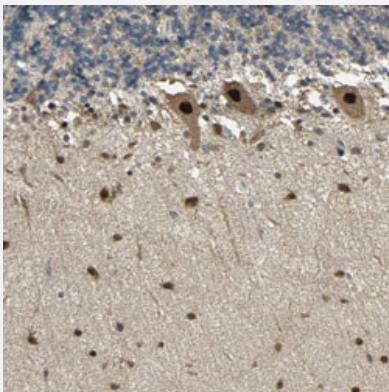
Catalog # PAB31361 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251 MG sp cell lysates with PSMC4 polyclonal antibody (Cat # PAB31361).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebellum with PSMC4 polyclonal antibody (Cat # PAB31361) shows strong nuclear and cytoplasmic positivity in Purkinje cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PSMC4.
Immunogen	Recombinant protein corresponding to human PSMC4.
Sequence	LTSDQKPDVMYADIGGMDIQKQEVREAVELPLTHFELYKQIGIDPPRGVLMYGPPGCGKTMLAKA VAHHTTAAFIRVVGSEFVQKYLGEGRMVRDVFRLAKENAPAIIFIDEIDAIATKRFDAQTGADREV QRILLEL
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251 MG sp cell lysates with PSMC4 polyclonal antibody (Cat # PAB31361).

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Gene Info — PSMC4

Entrez GeneID	5704
Protein Accession#	P43686
Gene Name	PSMC4
Gene Alias	MGC13687, MGC23214, MGC8570, MIP224, S6, TBP7
Gene Description	proteasome (prosome, macropain) 26S subunit, ATPase, 4
Omim ID	602707
Gene Ontology	Hyperlink

Gene Summary

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 has been shown to interact with an orphan member of the nuclear hormone receptor superfamily highly expressed in liver, and with gankyrin, a liver oncoprotein. Two transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

MB67 interacting protein|Tat-binding protein 7|protease 26S subunit 6|proteasome 26S ATPase subunit 4

Pathway

- [Proteasome](#)