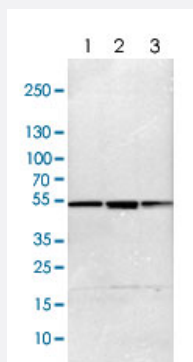


# PSMC4 polyclonal antibody

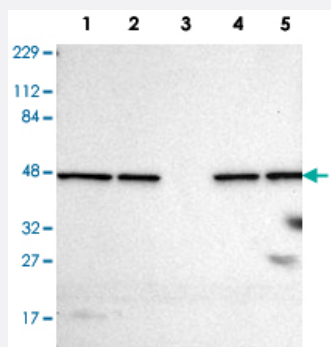
Catalog # PAB28661 Size 100 uL

## Applications



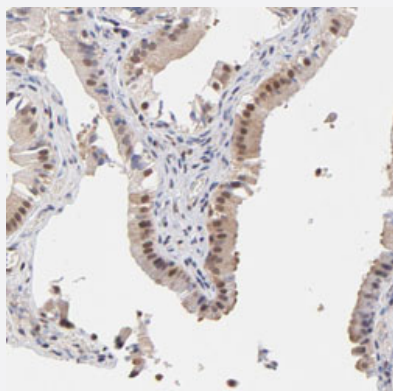
### Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells), Lane 3: PC12 cell lysate (Pheochromocytoma of rat adrenal medulla) with PSMC4 polyclonal antibody (Cat # PAB28661) at 1:100-1:500 dilution.



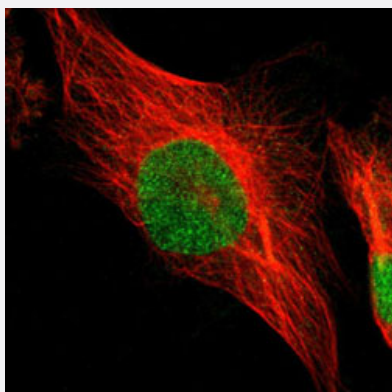
### Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: Human plasma (IgG/HSA depleted), Lane 4: Human liver Lane 6: Human tonsil tissue with PSMC4 polyclonal antibody (Cat # PAB28661) at 1:100-1:250 dilution.



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

Immunohistochemical staining of human gallbladder with PSMC4 polyclonal antibody (Cat # PAB28661) shows nuclear positivity in glandular cells at 1:200-1:500 dilution.



## Immunofluorescence

Immunofluorescent staining of human cell line U373 MG with PSMC4 polyclonal antibody (Cat # PAB28661) at 1-4 ug/mL shows positivity in nucleus.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against recombinant PSMC4.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids of human PSMC4.
<b>Sequence</b>	LEDLYSRYKKLQQELEFLEVQEEYKDEQKNLKEFLHAQEEVKRIQSIPLVIGQFLEAVDQNTAIVG STTGSNNYYVRILSTIDRELLKPNASVALHKHSNA
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1:200-1:500) Immunofluorescence (1-4 ug/ml) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: Human plasma (IgG/HSA depleted), Lane 4: Human liver Lane 6: Human tonsil tissue with PSMC4 polyclonal antibody (Cat # PAB28661) at 1:100-1:250 dilution.

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## Gene Info — PSMC4

**Entrez GeneID** [5704](#)

**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](#)