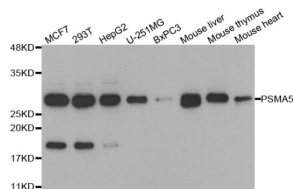
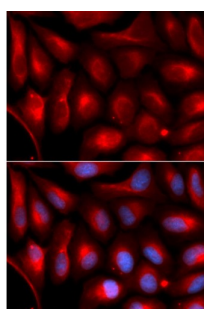


## Proteasome Subunit Alpha Type 5 (PSMA5) Antibody

Catalogue No.: abx004401



Western blot analysis of extracts of various cell lines, using PSMA5 antibody (abx004401) at 1/1000 dilution.



Immunofluorescence analysis of U2OS cells using PSMA5 antibody (abx004401). Blue: DAPI for nuclear staining.

PSMA5 Antibody is a Rabbit Polyclonal antibody against PSMA5. 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. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene.

**Target:** Proteasome Subunit Alpha Type 5 (PSMA5)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse, Rat

**Tested Applications:** WB, IHC, IF/ICC

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 1-241 of human PSMA5.

# Datasheet

Version: 3.0.0  
Revision date: 13 Nov 2024



<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P28066 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMA5
<b>GeneID:</b>	<a href="#">5686</a>
<b>NCBI Accession:</b>	NP_002781.2
<b>KEGG:</b>	hsa:5686
<b>String:</b>	<a href="#">9606.ENSP00000271308</a>
<b>Molecular Weight:</b>	Calculated MW: 26 kDa Observed MW: 27 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.
<b>Concentration:</b>	> 0.2 mg/ml
<b>Note:</b>	This product is for research use only.

For Reference Only