



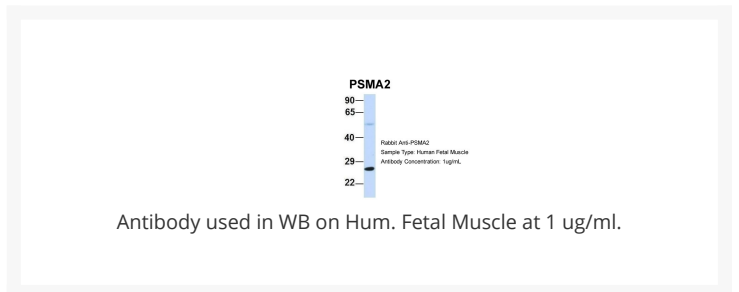
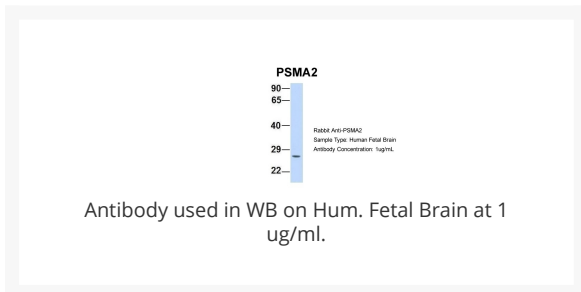
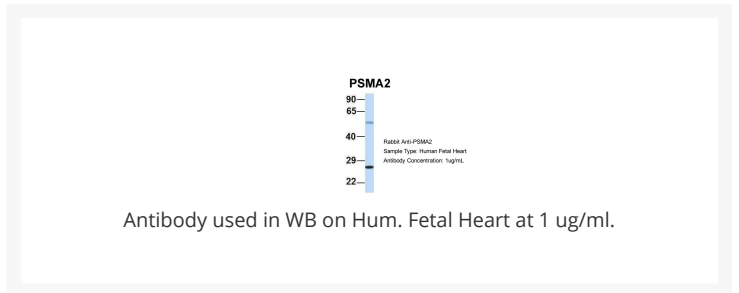
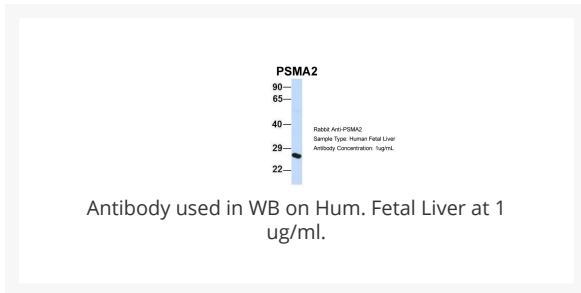
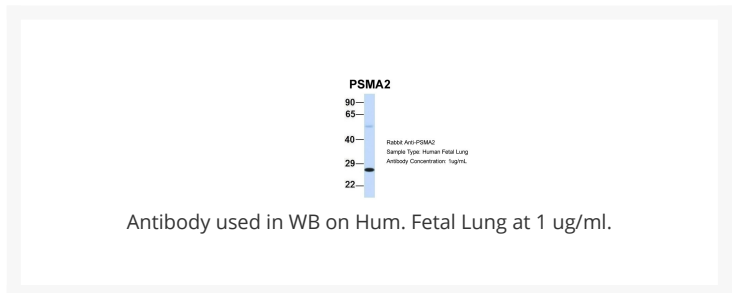
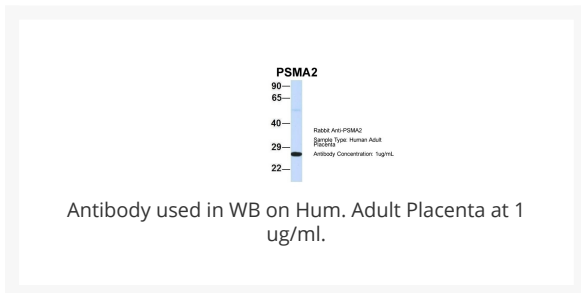
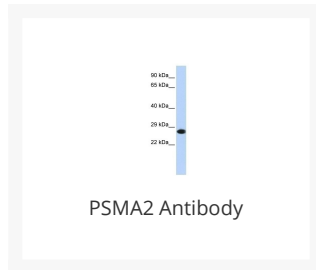
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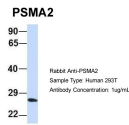
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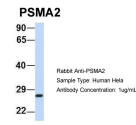
# PSMA2 Antibody

Cat. No.: 27-086

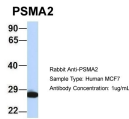




Antibody used in WB on Human 293T at 1 ug/ml.



Antibody used in WB on Human HeLa at 1 ug/ml.



Antibody used in WB on Human MCF7 at 1 ug/ml.

## Ψ Specifications

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>IMMUNOGEN:</b>	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PSMA2.
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	PSMA2 antibody can be used for detection of PSMA2 by ELISA at 1:312500. PSMA2 antibody can be used for detection of PSMA2 by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1211 - HepG2 Cell Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	26 kDa

## Ψ Properties

<b>PURIFICATION:</b>	Antibody is purified by peptide affinity chromatography method.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>CONCENTRATION:</b>	batch dependent

**STORAGE CONDITIONS:**

For short periods of storage (days) store at 4°C. For longer periods of storage, store PSMA2 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.

## Additional Info

<b>OFFICIAL SYMBOL:</b>	PSMA2
<b>ALTERNATE NAMES:</b>	PSMA2, HC3, MU, PMSA2, PSC2
<b>ACCESSION NO.:</b>	NP_002778
<b>PROTEIN GI NO.:</b>	4506181
<b>GENE ID:</b>	5683
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Background and References

<b>BACKGROUND:</b>	<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. PSMA2 is a member of the peptidase T1A family, that is a 20S core alpha subunit. 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. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
<b>REFERENCES:</b>	1) Ewing, R.M., Mol. Syst. Biol. 3, 89 (2007).

### ANTIBODIES FOR RESEARCH USE ONLY.

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