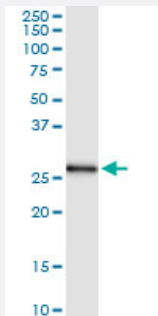


PSMA7 (Human) IP-WB Antibody Pair

Catalog # H00005688-PW2

Size 1 Set

Applications



Immunoprecipitation of PSMA7 transfected lysate using rabbit polyclonal anti-PSMA7 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse polyclonal anti-PSMA7.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Rat (98%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PSMA7 transfected lysate using rabbit polyclonal anti-PSMA7 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse polyclonal anti-PSMA7.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-PSMA7 (300 ul) 2. Antibody pair for WB: mouse polyclonal anti-PSMA7 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — PSMA7

Entrez GeneID [5688](#)

Gene Name PSMA7

Gene Alias C6, HSPC, MGC3755, RC6-1, XAPC7

Gene Description proteasome (prosome, macropain) subunit, alpha type, 7

Omim ID [606607](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. This particular subunit has been shown to interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. In addition, this subunit is involved in regulating hepatitis virus C internal ribosome entry site (IRES) activity, an activity essential for viral replication. This core alpha subunit is also involved in regulating the hypoxia-inducible factor-1alpha, a transcription factor important for cellular responses to oxygen tension. Multiple isoforms of this subunit arising from alternative splicing may exist but alternative transcripts for only two isoforms have been defined. A pseudogene has been identified on chromosome 9. [provided by RefSeq]

Other Designations OTTHUMP00000031449|proteasome alpha 7 subunit|proteasome subunit RC6-1|proteasome subunit XAPC7|proteasome subunit alpha 4

Pathway

- [Proteasome](#)

Disease

- [Kidney Failure](#)