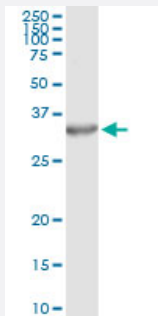


PSME2 (Human) IP-WB Antibody Pair

Catalog # H00005721-PW1

Size 1 Set

Applications



Immunoprecipitation of PSME2 transfected lysate using mouse monoclonal anti-PSME2 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-PSME2.

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
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PSME2 transfected lysate using mouse monoclonal anti-PSME2 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-PSME2.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-PSME2 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-PSME2 (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 — PSME2

Entrez GeneID [5721](#)

Gene Name PSME2

Gene Alias PA28B, PA28beta, REGbeta

Gene Description proteasome (prosome, macropain) activator subunit 2 (PA28 beta)

Omim ID [602161](#)

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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three beta and three alpha subunits combine to form a heterohexameric ring. Six pseudogenes have been identified on chromosomes 4, 5, 8, 10 and 13. [provided by RefSeq]

Other Designations

11S regulator complex beta subunit|MCP activator, 31-kD subunit|activator of multicatalytic protease subunit 2|cell migration-inducing protein 22|proteasome activator 28-beta|proteasome activator hPA28 subunit beta|proteasome activator subunit 2

Pathway

- [Antigen processing and presentation](#)
- [Proteasome](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)