

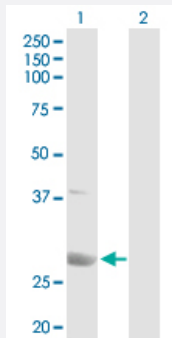
MaxPab®

PSME1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005720-D01P

Size 100 ug

Applications

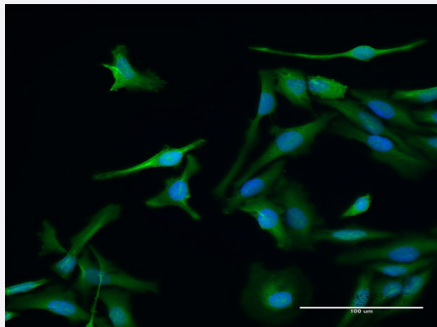


Western Blot (Transfected lysate)

Western Blot analysis of PSME1 expression in transfected 293T cell line ([H00005720-T03](#)) by PSME1 MaxPab polyclonal antibody.

Lane 1: PSME1 transfected lysate(28.70 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PSME1 on HeLa cell. [antibody concentration 30 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PSME1 protein.
Immunogen	PSME1 (NP_006254.1, 1 a.a. ~ 249 a.a) full-length human protein.
Sequence	MAMLRVQPEAQAKVDVFREDLCTKTENLLGSYFPKKISELDAFLKEPALNEANLSNLKAPLDIPV PDPVKEKEKEERKKQKEKEDKDEKKKGEDEDKGPPCGPVNCNEKIVVLLQRLKPEIKDVIEQLN LVTTWLQLQIPRIEDGNNFGVAVQEKVFELMTSLHTKLEGFHTQISKYFSERGDAVTKAAKQPHVG DYRQLVHELDEAEYRDIRLMVMEIRNAYAVLYDIILKNFEKLLKKPRGETKGMYY
Host	Rabbit
Reactivity	Human

Interspecies Antigen Sequence	Mouse (95); Rat (96)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — PSME1

Entrez GeneID	5720
GeneBank Accession#	NM_006263
Protein Accession#	NP_006254.1
Gene Name	PSME1
Gene Alias	IFI5111, MGC8628, PA28A, PA28alpha, REGalpha
Gene Description	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
Omim ID	600654
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 alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Two transcripts encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

11S regulator complex alpha subunit|29-kD MCP activator subunit|activator of multicatalytic protease subunit 1|interferon gamma up-regulated I-5111 protein|interferon-gamma IEF SSP 5111|interferon-gamma-inducible protein 5111|proteasome activator subunit

Pathway

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