

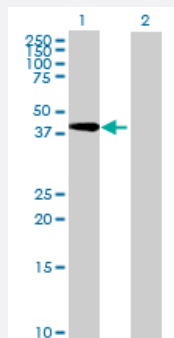
MaxPab®

PSMC4 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005704-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PSMC4 expression in transfected 293T cell line ([H00005704-T01](#)) by PSMC4 MaxPab polyclonal antibody.

Lane 1: PSMC4 transfected lysate (45.98 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PSMC4 protein.

Immunogen

PSMC4 (NP_006494, 1 a.a. ~ 418 a.a) full-length human protein.

Sequence

MEEIGILVEKAQDEIPALSVSRPQTGLSFLGPEPEDLEDLYSRYKKLQQELEFLEVQEEYKDEQKN
LKKEFLHAQEEVKRIQSIPLVIGQFLEAVDQNTAMGSTTGSNYVVRILSTIDRELLKPNASVALHKHS
NALVDVLPPEADSSIMMLTSDQKPDVMYADIGGMDIQKQEVREAVELPLTHFELYKQIGIDPPRGV
LMYGPPGCGKTM LAKAVAHHTTAA FIRVVGSEFVQKYLGE GPRMVRDVFRLAKENAPAIIFIDEIDA
IATKRFD AQTGADREVQRILLELLNQMDGFDQNVNVKVIMATNRADTLDPALLRPGR LDRKIEFPL
PDRRQKRLIFSTTSKMNLSEEVDLEDYVARPDKISGADINSICQESGMLAVRENRYMLAKDFEKA
YKTVIKKDEQEHEFYK

Host

Mouse

Reactivity

Human

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.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PSMC4 expression in transfected 293T cell line ([H00005704-T01](#)) by PSMC4 MaxPab polyclonal antibody.

Lane 1: PSMC4 transfected lysate(45.98 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PSMC4

Entrez GeneID [5704](#)

GeneBank Accession# [NM_006503](#)

Protein Accession# [NP_006494](#)

Gene Name PSMC4

Gene Alias MGC13687, MGC23214, MGC8570, MIP224, S6, TBP7

Gene Description proteasome (prosome, macropain) 26S subunit, ATPase, 4

Omim ID [602707](#)

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. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit has been shown to interact with an orphan member of the nuclear hormone receptor superfamily highly expressed in liver, and with gankyrin, a liver oncoprotein. Two transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations MB67 interacting protein|Tat-binding protein 7|protease 26S subunit 6|proteasome 26S ATPase subunit 4

Pathway

- [Proteasome](#)