

DNAxPAb

Hard-to-Find
Antibody

PSMD2 DNAxPab

Catalog # H00005708-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PSMD2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MEEGGRDKAPVQPQQSPAAAPGGTDEKPSGKERRDAGDKDKEQELSEEDKQLQDELEMLVE
 RLGEKDTSLYRPAALEELRRQIRSSSTTSMTSVPKPLKFLRPHYGKLKEYENMAPGENKRFAADIISV
 LAMTMSGERECLKYRLVGSQEELASWGHEYVRHLAGEVAKIEWQELDDAEKVQREPLLTLVKEV
 PYNMAHNAEHEACDLLMEIEQVDMLEKDIDENAYAKVCLYLTSCVNYVPEPENSALLRCALGVFR
 KFSRFPEALRLALMLNDMELVEDIFTSCD VVVQKQMAFMLGRHGVFLELSEDEV EYEDLTEIMS
 NVQLNSNFLALARELDIMEPKVPDDIYKTHLENNRFGGSGSQVDSARMNLASSFVNGFVNAAFG
 QDKLLTDDGNKWLYKNKDHGMLSAAA SLGMILLWDVDGGLTQIDKLYSSEDIYKSGALLACGIVN
 SGVRNECDPALALLSDYVLHNSNTMRLGSIFGLGLAYAGSNREDVLTLLLPVMGDSKSSMEVAG
 VTALACGMIAVGSCNGDVTSTILQTIMEKSETELKDTYARWLPLGLGLNHLGKGEAIEAILAALEV
 SEPFRSFANTLVDCAYAGSGNVLVQQLLHICSEHFDSKEEEDKDKKEKKDKDKKEAPADM
 GAHQGVAVLGIALAMGEEIGAEMALRTFGHLLRYGEPTLRRVPLALALISVSNPRLNILDTL SKFS
 HDADPEVSYYSIFAMGMVSGTNNARLAAMLRQLAQYHAKDPNNLFMVRLAQGLTHLGKGTLT
 LCPYHSRQLMSQVAVAGLLTVLVSF LDVRN IILGKSHYVLYGLVAAMQPRMLVTFDEELRPLPVS
 V RVGQAVDVVGQAGKPKTTITGFQTHTPVLLAHGERAELATEEFLPVTPILEGFVILRKPNPYDL

Host Rabbit

Reactivity Human

Purification Protein A

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)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PSMD2

Entrez GeneID [5708](#)

GeneBank Accession# [BC007897.2](#)

Protein Accession# [AAH07897.1](#)

Gene Name PSMD2

Gene Alias MGC14274, P97, Rpn1, S2, TRAP2

Gene Description proteasome (prosome, macropain) 26S subunit, non-ATPase, 2

Omim ID [606223](#)

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 non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. [provided by RefSeq]

Other Designations

26S proteasome non-ATPase regulatory subunit 2|26S proteasome regulatory subunit S2|26S proteasome subunit p97|55.11 protein|TNFR-associated protein 2|proteasome 26S non-ATPase subunit 2|tumor necrosis factor receptor-associated protein 2

Pathway

- [Proteasome](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)