

DNAxPAb

Hard-to-Find
Antibody

PSMC2 DNAxPAb

Catalog # H00005701-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PSMC2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPDYLGADQRKTKEDKDDKPIRALDEGDIALLKTYGQSTYSRQIKQVEDDIQQLLKKINELTGIKE SDTGLAPPALWDLAADKQTLQSEQPLQVARCTKIINADSEDPKYIINVKQFAKFVVDLSDQVAPTD IEEGMRVGVDRNKYQIHPLPPKIDPTVTMMQVEEKPDVTYSYDVGGCKEQIEKLREVVETPLLHPE RFVNLGIEPPKGVLLFGPPGTGKTLCAVANRTDACFIRVIGSELVQKYVGEGARMVRELFEMA RTKKACLIFFDEIDAIGGARFDDGAGGDNEVQRTMLELINQLDGFDPGRNIKVLMTNRPDTLDPA LMRPGRLDRKIEFSLPDLEGRTHIFKIHARSMSVERDIRFELLARLCPNSTGAEIRSVCTEAGMFAIR ARRKATEKDFLEAVNKVIKSYAKFSATPRYMTYN
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 — PSMC2

Entrez GeneID [5701](#)

GeneBank Accession# [NM_002803.2](#)

Protein Accession# [NP_002794.1](#)

Gene Name PSMC2

Gene Alias MGC3004, MSS1, Nbla10058, S7

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

Omim ID [154365](#)

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 several of the basal transcription factors so, in addition to participation in proteasome functions, this subunit may participate in the regulation of transcription. This subunit may also compete with PSMC3 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. [provided by RefSeq]

Other Designations mammalian suppressor of sgV-1 of yeast|protease 26S subunit 7|proteasome 26S ATPase subunit 2|proteasome 26S subunit, ATPase, 2|putative protein product of Nbla10058

Pathway

- [Proteasome](#)