PAAF1 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	PAAF1, Blocking Peptide
Full Product Name	PAAF1 Antibody (N-term) Blocking Peptide
Product Gene Name	PAAF1 blocking peptide
Product Synonym Gene Name	WDR71
Product Synonym Names	Proteasomal ATPase-associated factor 1; Protein G-16; WD repeat-containing protein 71; PAAF1; WDR71
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	PAAF1 peptide (MBS9225498) is used for blocking the activity of PAAF1 antibody (MBS9209326)
Molecular Weight	29,982 Da
Tissue Location	Ubiquitously expressed, with highest levels in kidney, brain and testis.
Related Product Information for PAAF1 blocking peptide	Inhibits proteasome 26S assembly and proteolytic activity by impairing the association of the 19S regulatory complex with the 20S core. In case of HIV-1 infection, recruited by viral Tat to the HIV-1 promoter, where it promotes the recruitment of 19S regulatory complex through dissociation of the proteasome 26S. This presumably promotes provirus transcription efficiency. Protects SUPT6H from proteasomal degradation.
Other Notes	Small volumes of PAAF1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PAAF1 purchase	MBS9225498 is a blocking peptide targeting PAAF1. Also known as PAAF1 Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAAF1. It may not necessarily be applicable to this product.

NCBI GI #	97217547
NCBI GeneID	80227
NCBI Accession #	Q9BRP4.2
UniProt Primary Accession #	Q9BRP4
UniProt Secondary Accession #	Q4G165; Q53HS9; Q7Z500; Q8TBU6; Q9HAB6; A6NDR5; B4DPB0; B7ZAS9
UniProt Related Accession #	Q9BRP4
NCBI Official Full Name	Proteasomal ATPase-associated factor 1
NCBI Official Synonym Full Names	proteasomal ATPase associated factor 1
NCBI Official Symbol	PAAF1
NCBI Official Synonym Symbols	PAAF; Rpn14; WDR71
UniProt Protein Name	Proteasomal ATPase-associated factor 1
UniProt Synonym Protein Names	Protein G-16; WD repeat-containing protein 71

Protein Family	Probable proteasomal ATPase-associated factor
UniProt Gene Name	PAAF1
UniProt Synonym Gene Names	WDR71
UniProt Entry Name	PAAF1_HUMAN
NCBI Protein Information	proteasomal ATPase-associated factor 1
NCBI Summary for PAAF1	This gene encodes a WD repeat-containing protein involved in regulation of association of proteasome components. During HIV infection, the encoded protein is thought to promote provirus transcription through recruitment of the 19S regulatory complex. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]
UniProt Comments for PAAF1	PAAF1: Inhibits proteasome 26S assembly and proteolytic activity by impairing the association of the 19S regulatory complex with the 20S core. In case of HIV-1 infection, recruited by viral Tat to the HIV-1 promoter, where it promotes the recruitment of 19S regulatory complex through dissociation of the proteasome 26S. This presumably promotes provirus transcription efficiency. Belongs to the WD repeat PAAF1/RPN14 family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 11q13.4 Cellular Component: proteasome complex Molecular Function: protein binding
Research Articles on PAAF1	**1.** These results show that intracellular levels of Spt6 are fine-tuned by PAAF1 and proteasome, which is required for HIV-1 transcription and extends to cellular genes implicated in cancer.
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