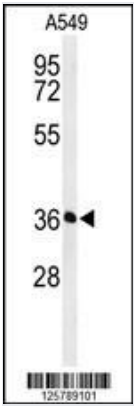
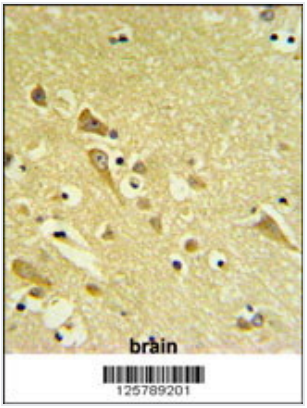
PAAF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAAF1, Polyclonal Antibody
Full Product Name	PAAF1, NT (PAAF1, WDR71, Proteasomal ATPase-associated factor 1, Protein G-16, WD repeat-containing protein 71)
Product Gene Name	anti-PAAF1 antibody
Product Synonym Names	Anti -PAAF1, NT (PAAF1, WDR71, Proteasomal ATPase-associated factor 1, Protein G-16, WD repeat-containing protein 71)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	42,190 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (73587744..73638781). Location: 11q13.4
3D Structure	ModBase 3D Structure for Q9BRP4
Immunogen	PAAF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 115-145 amino acids from the N-terminal region of human PAAF1.
Product Categories/Family for anti-PAAF1 antibody	Antibodies; Abs to WD Repeat Proteins
Applications Tested/Suitable for anti-PAAF1 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PAAF1 antibody	Suitable for use in Western Blot, Immunohistochemistry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:50-100
Related Product Information for anti-PAAF1 antibody	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.
Other Notes	Small volumes of anti-PAAF1 antibody 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	MBS6011957 is an antibody targeting PAAF1. Also known as PAAF1, NT (PAAF1, WDR71, Proteasomal ATPase-associated factor 1, Protein G-16, WD repeat-containing protein 71). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PAAF1 antibody
Western blot analysis of PAAF1 Antibody (N-term) in A549 cell line lysates (35ug/lane).PAAF1 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-PAAF1 antibody
PAAF1 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PAAF1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	13376751
NCBI GeneID	80227
NCBI Accession #	NP_079431.1
UniProt Primary Accession #	Q9BRP4
UniProt Secondary Accession #	Q4G165; Q53HS9; Q7Z500; Q8TBU6; Q9HAB6; A6NDR5; B4DPB0; B7ZAS9
UniProt Related Accession #	Q9BRP4
GenBank Nucleotide #	NM_025155.2
NCBI Official Full Name	proteasomal ATPase-associated factor 1 isoform 2
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; WD repeat domain 71; WD repeat-containing protein 71
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 Biological Process: viral reproduction
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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