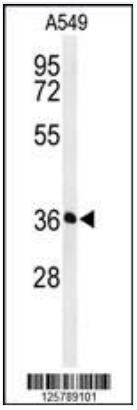
PAAF1 Antibody – Rabbit Polyclonal

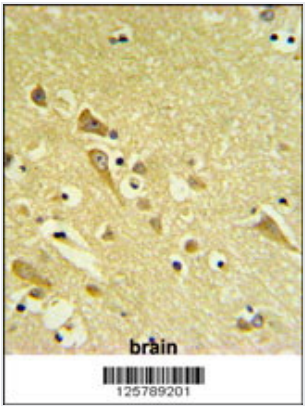
PRODUCT OVERVIEW

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) (PE)
Product Gene Name	anti-PAAF1 antibody
Product Synonym Names	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. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	29,982 Da
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.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-PAAF1 antibody	Antibodies; WD Repeat Proteins
Applications Tested/Suitable for anti-PAAF1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-PAAF1 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
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.
Product References and Citations for anti-PAAF1 antibody	Lassot, I., et al. Mol. Cell 25(3):369-383(2007). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007). Ponnappan, S., et al. Int. J. Biochem. Cell Biol. 39(4):799-809(2007).
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	MBS6330350 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) (PE). 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 #	392513656
NCBI GeneID	80227
NCBI Accession #	NP_001254734.1
UniProt Primary Accession #	Q9BRP4
UniProt Secondary Accession #	Q4G165; Q53HS9; Q7Z500; Q8TBU6; Q9HAB6; A6NDR5; B4DPB0; B7ZAS9
UniProt Related Accession #	Q9BRP4
GenBank Nucleotide #	NM_001267805.1
NCBI Official Full Name	proteasomal ATPase-associated factor 1 isoform 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
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	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.
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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