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PAAF1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5062a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BRP4
Other Accession	Q148I1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25789
Calculated MW	42190
Antigen Region	109-138

Additional Information

Gene ID	80227
Other Names	Proteasomal ATPase-associated factor 1, Protein G-16, WD repeat-containing protein 71, PAAF1, WDR71
Target/Specificity	This PAAF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-138 amino acids from the N-terminal region of human PAAF1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PAAF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PAAF1
Synonyms	WDR71

Function	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.
Tissue Location	Ubiquitously expressed, with highest levels in kidney, brain and testis.

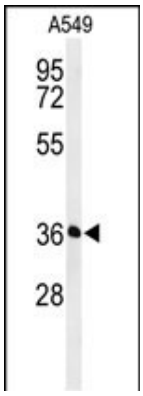
Background

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.

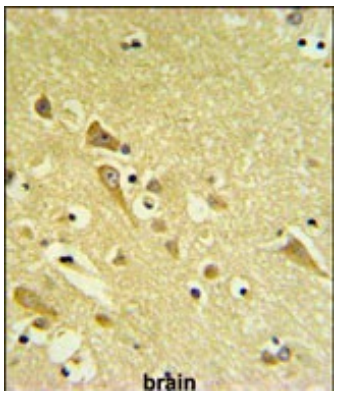
References

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)

Images



Western blot analysis of PAAF1 Antibody (N-term) (Cat. #AP5062a) in A549 cell line lysates (35ug/lane).PAAF1 (arrow) was detected using the purified Pab.



PAAF1 Antibody (N-term) (Cat. #AP5062a) 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.