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EAP30 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SNF8.
Catalog # AT1841a

Product Information

Application	WB, E
Primary Accession	Q96H20
Other Accession	NM_007241
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6B11
Calculated MW	28864

Additional Information

Gene ID	11267
Other Names	Vacuolar-sorting protein SNF8, ELL-associated protein of 30 kDa, ESCRT-II complex subunit VPS22, hVps22, SNF8, EAP30
Target/Specificity	SNF8 (NP_009172, 23 a.a. ~ 122 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	EAP30 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

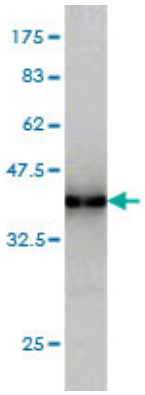
SNF8, VPS25 (MIM 610907), and VPS36 (MIM 610903) form ESCRT-II (endosomal sorting complex required for transport II), a complex involved in endocytosis of ubiquitinated membrane proteins. SNF8, VPS25, and VPS36 are also associated in a multiprotein complex with RNA polymerase II elongation factor (ELL; MIM 600284) (Slagsvold et al., 2005 [PubMed 15755741]; Kamura et al., 2001 [PubMed 11278625]).

References

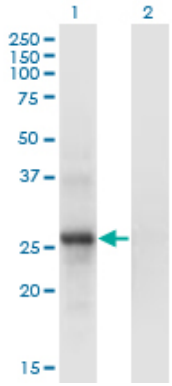
Vps22/EAP30 in ESCRT-II mediates endosomal sorting of growth factor and chemokine receptors destined for lysosomal degradation. Maler?d L, et al. Traffic, 2007 Nov. PMID 17714434.Human ESCRT-II complex and

its role in human immunodeficiency virus type 1 release. Langelier C, et al. J Virol, 2006 Oct. PMID 16973552.Degradation of endocytosed epidermal growth factor and virally ubiquitinated major histocompatibility complex class I is independent of mammalian ESCRTII. Bowers K, et al. J Biol Chem, 2006 Feb 24. PMID 16371348.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.Eap45 in mammalian ESCRT-II binds ubiquitin via a phosphoinositide-interacting GLUE domain. Slagsvold T, et al. J Biol Chem, 2005 May 20. PMID 15755741.

Images

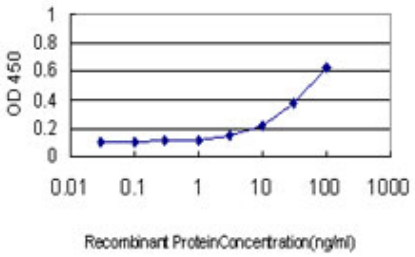


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of SNF8 expression in transfected 293T cell line by SNF8 monoclonal antibody (M01), clone 6B11.

Lane 1: SNF8 transfected lysate (Predicted MW: 28.9 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged SNF8 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.