

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

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|---------------------------|--|
| 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

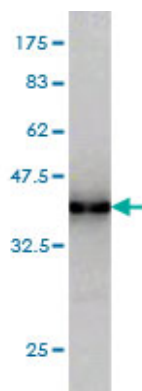
SNF8, VPS25 (MIM 610907), and VPS36 (MIM 610903) form ESCRT-II (endosomal sorting complex required for transport II), a complex involved in endocytosis of ubiquitinated membrane proteins. SNF8, VPS25, and VPS36 are also associated in a multiprotein complex with RNA polymerase II elongation factor (ELL;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

References

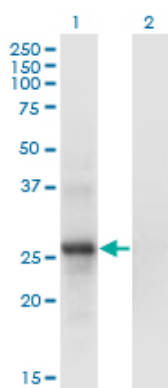
Vps22/EAP30 in ESCRT-II mediates endosomal sorting of growth factor and chemokine receptors destined for lysosomal degradation. Malerød L, et al. Traffic, 2007 Nov. PMID 17714434. Human ESCRT-II complex and

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

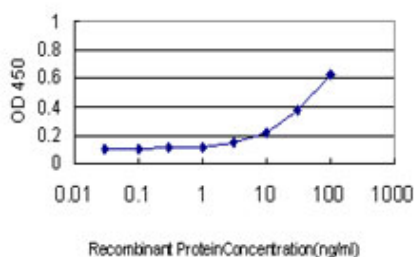


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



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 1 ng/ml as a capture antibody.

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