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EAP30 Rabbit pAb

Catalog # AP99997

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96H20
Other Accession	Q96H20
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28864
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EAP30
Epitope Specificity	31-130/258
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SNF8 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	11267
Other Names	DEE115; Dot3; EAP30; NEDOA; VPS22; D11Moh34; RGD1310144; zgc:101578; SNF8_HUMAN; SNF8; ELL-associated protein of 30 kDa; ESCRT-II complex subunit VPS22 (hVps22); SNF8_MOUSE; ESCRT-II complex subunit VPS22; SNF8_RAT; SNF8_DANRE; SNF8 subunit of ESCRT-II; SNF8, ESCRT-II complex subunit, homolog (S. cerevisiae)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SNF8
Synonyms	EAP30
Function	Component of the endosomal sorting complex required for transport II (ESCRT-II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs, and plays a role in autophagy (PubMed:38423010). The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in transcription regulation by participating in derepression of transcription by RNA polymerase II, possibly via its interaction with ELL. Required for degradation of both endocytosed EGF and EGFR, but not for the EGFR ligand-mediated internalization. It is also required for the degradation of CXCR4. Required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).
Cellular Location	Cytoplasm. Endosome membrane. Nucleus. Late endosome membrane. Note=Recruited to the endosome membrane to participate in vesicle formation

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