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F8A2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11393a

Product Information

Application	WB, E
Primary Accession	P23610
Other Accession	NP_001007525.1, NP_001007524.1, NP_036283.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29381
Calculated MW	39103
Antigen Region	12-40

Additional Information

Gene ID	474383;474384;8263
Other Names	Factor VIII intron 22 protein, CpG island protein, F8A1, F8A
Target/Specificity	This F8A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human F8A2.
Dilution	WB~~1:1000 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	F8A2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	F8A1
Function	RAB5A effector molecule that is involved in vesicular trafficking of early endosomes (PubMed:16476778). Mediates the recruitment of HTT by RAB5A onto early endosomes. The HTT- F8A1/F8A2/F8A3-RAB5A complex stimulates

	early endosomal interaction with actin filaments and inhibits interaction with microtubules, leading to the reduction of endosome motility (PubMed:16476778).
Cellular Location	Cytoplasm. Nucleus. Early endosome. Nucleus, nuclear body {ECO:0000250|UniProtKB:Q00558}. Note=Diffuse presence in the cytoplasm and accumulation in the nucleus (PubMed:16476778). In absence of HTT, F8A1/F8A2/F8A3 is concentred in cytoplasm (By similarity). Colocalized with HTT in endosomes (PubMed:16476778). In neuron found in intranuclear structures, the intranuclear rodlets (INRs), also known as rodlets of Roncoroni, in association with ubiquitin (By similarity) {ECO:0000250|UniProtKB:Q00558, ECO:0000269|PubMed:16476778}
Tissue Location	Produced abundantly in a wide variety of cell types

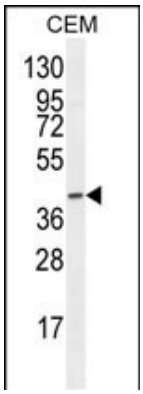
Background

This gene is part of a region that is repeated three times on chromosome X, once in intron 22 of the F8 gene and twice closer to the Xq telomere. This record represents the middle copy. Although its function is unknown, the observation that this gene is conserved in the mouse implies it has some function. Unlike factor VIII, this gene is transcribed abundantly in a wide variety of cell types.

References

Bagnall, R.D., et al. Genome Res. 15(2):214-223(2005)
Naylor, J.A., et al. Hum. Mol. Genet. 4(7):1217-1224(1995)

Images



F8A2 Antibody (N-term) (Cat. #AP11393a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the F8A2 antibody detected the F8A2 protein (arrow).

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