

UROP11 Antibody

Catalog # ASC10697

Product Information

Application	WB, E
Primary Accession	B2RUJ5
Other Accession	CAD90042 , 30348608
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	92909
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	UROP11 antibody can be used for detection of UROP11 by Western blot at 1 - 2 μ g/mL. Despite its predicted molecular weight, UROP11 often migrates at a much higher apparent size in SDS-PAGE.

Additional Information

Gene ID	319924
Other Names	Amyloid beta A4 precursor protein-binding family A member 1, Adapter protein X11alpha, Neuron-specific X11 protein, Neuronal Munc18-1-interacting protein 1, Mint-1, Apba1, Mint1, X11
Target/Specificity	Apba1;
Reconstitution & Storage	UROP11 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	UROP11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Apba1 {ECO:0000312 MGI:MGI:1860297}
Function	Putative function in synaptic vesicle exocytosis by binding to Munc18-1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of AAP-beta (By similarity). Component of the LIN-10-LIN-2-LIN-7 complex, which associates with the motor protein KIF17 to transport vesicles containing N-methyl-D- aspartate (NMDA) receptor subunit NR2B along microtubules (PubMed: 10846156).

Cellular Location	Cytoplasm. Cytoplasm, perinuclear region. Nucleus
Tissue Location	Isoform 3 is expressed in brain.

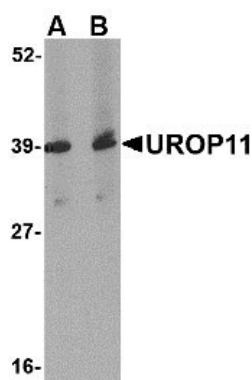
Background

UROP11 Antibody: Upregulated obese product 11 (UROP11) was isolated from subtractive library for mouse hypothalamus. It is detected in numerous tissues and is upregulated in the hypothalamus and adipocytes in obese mice. UROP11 is also observed in human neural and lymphoid tissues; its expression appears to be regulated by the level of lymphoid activation. Urop11 expression is strongly upregulated both in vivo in mouse hypothalamus and in vitro in mouse neural cell lines after treatment with leptin, indicating Urop11 is a target of leptin activity and thus may play a role in obesity.

References

Verlaeten O, Casery C, Cavagna S, et al. Identification of Urop11, a novel leptin-modulated gene that is upregulated in the hypothalamus of mice with virus-induced obesity. *J. Mol. Endocrinol.* 2007; 38:3-17.

Images



Western blot analysis of UROP11 in mouse spleen tissue lysate with UROP11 antibody at (A) 1 and (B) 2 µg/mL.

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