

UROP11 Antibody
Catalog # ASC10697**Specification**

UROP11 Antibody - Product Information

Application	WB
Primary Accession	B2RUJ5
Other Accession	CAD90042 , 30348608
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	UROP11 antibody can be used for detection of UROP11 by Western blot at 1 - 2 µg/mL. Despite its predicted molecular weight, UROP11 often migrates at a much higher apparent size in SDS-PAGE.

UROP11 Antibody - Additional Information

Gene ID	319924
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.

UROP11 Antibody - 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

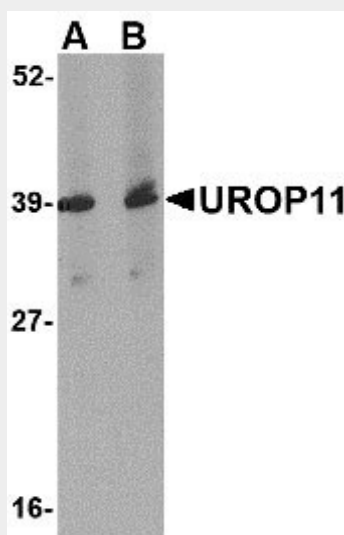
Isoform 3 is expressed in brain.

UROP11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UROP11 Antibody - Images



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

UROP11 Antibody - 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.

UROP11 Antibody - 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.

