

Clavesin 1/2 Antibody
Affinity purified rabbit polyclonal antibody
Catalog # AN1201

Specification

Clavesin 1/2 Antibody - Product Information

Application	WB
Primary Accession	A6JFQ6
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	35 KDa

Clavesin 1/2 Antibody - Additional Information

Gene ID	366311
Gene Name	CLVS1/2
Other Names	
Clavesin-1, Retinaldehyde-binding protein 1-like 1, Clvs1 {ECO:0000303 PubMed:19651769}	

Target/Specificity

Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH.

Dilution

WB~~ 1:1000

Format

Prepared from serum by affinity purification using a column to which the peptide antigen was coupled.

Antibody Specificity

Specific for the ~ 35 kDa clavesin 1/2 protein doublet in Western blots of rat brain lysate. Isoform-specific knock down in cultured hippocampal neurons indicates that the lower and upper bands are clavesin 1 and 2, respectively.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Clavesin 1/2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

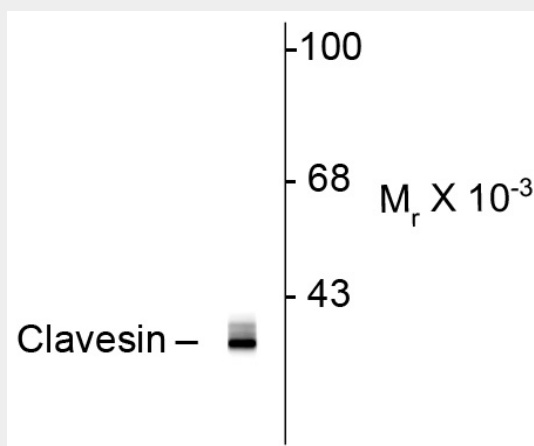
Blue Ice

Clavesin 1/2 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](#)

Clavesin 1/2 Antibody - Images



Western blot of rat hippocampal homogenate showing specific immunolabeling of the ~ 35k clavesin protein.

Clavesin 1/2 Antibody - Background

Clavesin (clathrin vesicle associated Sec14 protein) is a novel neuron specific protein that has recently been identified and shown to be required for normal morphology of late endosomes and/or lysosomes as lentiviral-mediated knockdown of clavesin in hippocampal neurons causes lysosomal defects (Katoh et al., 2009). Additionally, upregulation of clavesin in human hepatocellular carcinoma has recently been demonstrated thus making it a useful marker for this disease state (Zhao et al., 2008).

Clavesin 1/2 Antibody - References

Yohei Katoh, Brigitte Ritter, Thomas Gaffry, Francois Blondeau, Stefan Höning and Peter S. McPherson (2009) the clavesin family: neuron-specific lipid- and clathrin-binding Sec14 proteins regulating lysosomal morphology. *Journal of Biological Chemistry* Oct 2;284(40):27646-54.

Zhao S, Xu C, Qian H, Lv L, Ji C, Chen C, Zhao X, Zheng D, Gu S, Xie Y, Mao Y (2008) Cellular retinaldehyde-binding protein-like (CRALBPL), a novel human Sec14p-like gene that is upregulated in human hepatocellular carcinomas, may be used as a marker for human hepatocellular carcinomas. *DNA Cell Biol.* Mar; 27(3):159-63.