

UNC119 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant UNC119.

Catalog # AT4469a

Product Information

Application	WB, IP
Primary Accession	Q13432
Other Accession	BC027176
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2F9-2A9
Calculated MW	26962

Additional Information

Gene ID	9094
Other Names	Protein unc-119 homolog A, Retinal protein 4, hRG4, UNC119, RG4
Target/Specificity	UNC119 (AAH27176.1, 1 a.a. ~ 240 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	UNC119 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

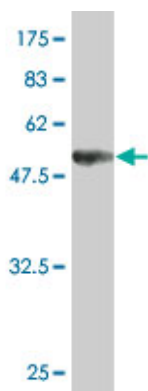
This gene is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the *C. elegans* unc119 protein and it can functionally complement the *C. elegans* unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle. Two transcript variants encoding different isoforms have been described for this gene.

References

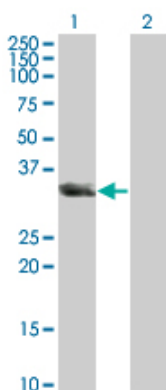
Uncoordinated 119 preferentially induces Th2 differentiation and promotes the development of asthma. Gorska MM, et al. J Immunol, 2010 Apr 15. PMID 20220094. UNC119 inhibits dynamin and

dynamin-dependent endocytic processes. Karim Z, et al. Cell Signal, 2010 Jan. PMID 19781630. Uncoordinated 119 protein controls trafficking of Lck via the Rab11 endosome and is critical for immunological synapse formation. Gorska MM, et al. J Immunol, 2009 Aug 1. PMID 19592652. Unc119 regulates myofibroblast differentiation through the activation of Fyn and the p38 MAPK pathway. Vepachedu R, et al. J Immunol, 2007 Jul 1. PMID 17579091. Transcriptome analysis of human gastric cancer. Oh JH, et al. Mamm Genome, 2005 Dec. PMID 16341674.

Images



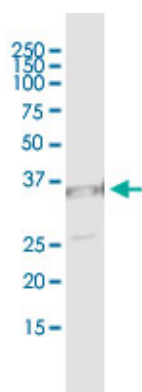
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (52.14 KDa) .



Western Blot analysis of UNC119 expression in transfected 293T cell line by UNC119 monoclonal antibody (M01), clone 2F9-2A9.

Lane 1: UNC119 transfected lysate (27 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation of UNC119 transfected lysate using anti-UNC119 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with UNC119 purified MaxPab rabbit polyclonal antibody.

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