

UNC119 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant UNC119.

Catalog # AT4469a

Specification

UNC119 Antibody (monoclonal) (M01) - Product Information

Application	IP, WB
Primary Accession	Q13432
Other Accession	BC027176
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	26962

UNC119 Antibody (monoclonal) (M01) - 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

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.

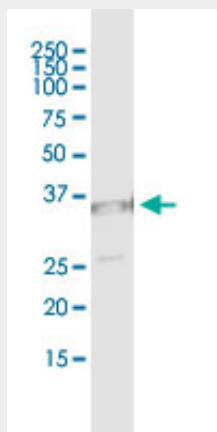
UNC119 Antibody (monoclonal) (M01) - Protocols

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

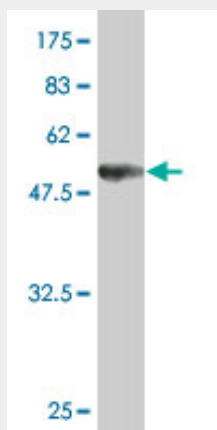
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

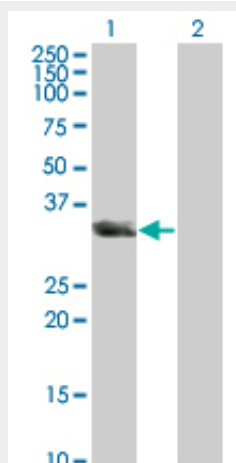
UNC119 Antibody (monoclonal) (M01) - Images



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.



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.

UNC119 Antibody (monoclonal) (M01) - 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.

UNC119 Antibody (monoclonal) (M01) - 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.