

**UNC119 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant UNC119.

Catalog # AT4469a

**Specification**

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**UNC119 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IP
Primary Accession	<a href="#">Q13432</a>
Other Accession	<a href="#">BC027176</a>
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

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.

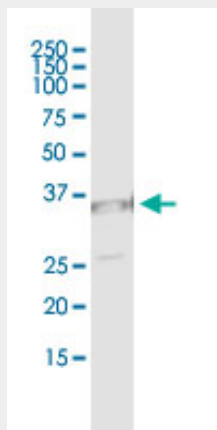
**UNC119 Antibody (monoclonal) (M01) - Protocols**

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

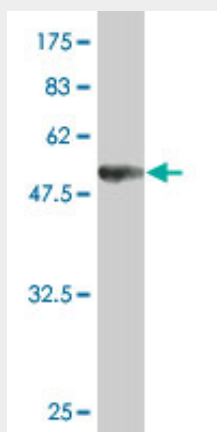
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

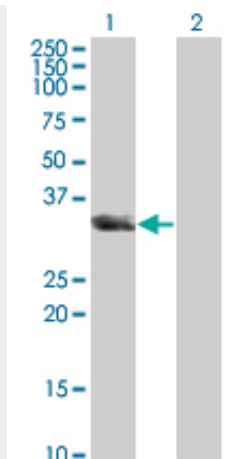
#### UNC119 Antibody (monoclonal) (M01) - Images



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.