

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 .

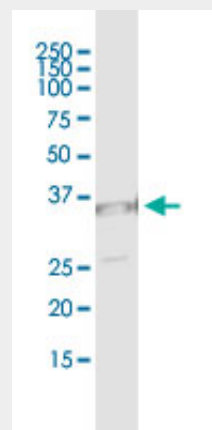
Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

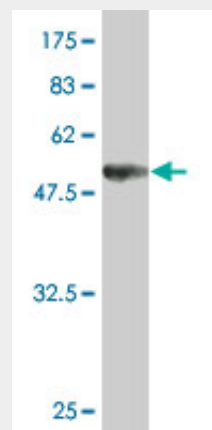
Precautions

UNC119 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

UNC119 Antibody (monoclonal) (M01) - Protocols



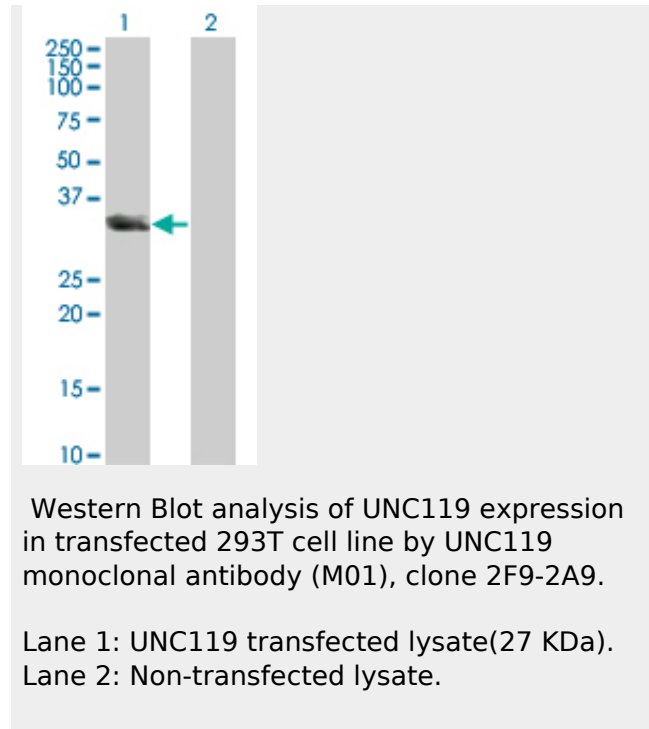
Immunoprecipitation of UNC119 transfected lysate using anti-UNC119 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with UNC119 purified MaxPab rabbit polyclonal antibody.



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

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) - 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.