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NES Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2251a

Product Information

Application	WB, FC, E
Primary Accession	P48681
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1A9G12
Isotype	IgG1
Calculated MW	177439
Description	This gene encodes a member of the intermediate filament protein family and is expressed primarily in nerve cells.
Immunogen	Purified recombinant fragment of human NESTIN (AA: 419-588) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	10763
Other Names	Nestin, NES
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
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	NES Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NES
Function	Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen- stimulated proliferation of neural progenitor cells (By similarity).

Tissue Location	CNS stem cells.

References

1.Neoplasma. 2012;59(3):310-5.2.Eur J Histochem. 2011 Nov 14;55(4):e39.

Images

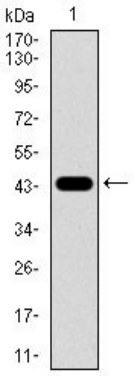


Figure 1: Western blot analysis using NES mAb against human NES recombinant protein. (Expected MW is 44.1 kDa)

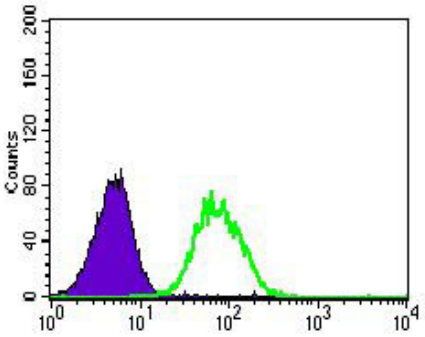


Figure 2: Flow cytometric analysis of HeLa cells using NES mouse mAb (green) and negative control (purple).

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