

Mouse NOG Monoclonal Antibody | anti-NOG antibody

NOG antibody

CATALOG # AAA108050	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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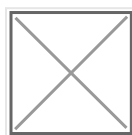
PRODUCT SYNONYMS

NOG; Monoclonal Antibody; NOG antibody; Monoclonal NOG; Anti-NOG; Noggin; SYM 1; SYM1 Symphalangism 1 (proximal); Synostoses (multiple) syndrome 1; SYNS 1; SYNS1; anti-NOG antibody

PRODUCT SPECIFICATIONS

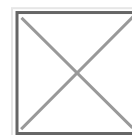
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	4C12
Purity/Purification	NOG antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	232
Applicable Applications for anti-NOG antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	The transcriptional factor Nanog functions in maintaining pluripotency in cooperation with other key genes such as Oct4. Oct4 and Sox2 bind to the Nanog promoter in mouse and human embryonic stem cell. Nanog levels allow stem cells to balance the creation of lineage-committed and undifferentiated cells.
Cross-Reactivity	Human, Dog
Immunogen	NOG antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 28-232 of human noggin (NP_005441) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of NOG protein in paraffin embedded Human ovary tissue using NOG antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NOG protein (Right) or empty vector (Left) detected with NOG antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant NOG protein using NOG antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NOG antibody	Mouse monoclonal NOG antibody
Product Categories/Family for anti-NOG antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885523
NCBI GeneID	9241
NCBI Accession #	NP_005441.1
NCBI GenBank Nucleotide #	NM_005450.4
Molecular Weight	25,774 Da
NCBI Official Full Name	noggin
NCBI Official Synonym Full Names	noggin
NCBI Official Symbol	NOG
NCBI Official Synonym Symbols	SYM1; SYNS1
NCBI Protein Information	noggin
UniProt Protein Name	Noggin
UniProt Gene Name	NOG
UniProt Entry Name	NOGG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nog-antibody-clone-4c12-western-blot-immunohistochemistry-immunofluorescence-elisa/108050>