

Noggin Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52792

Specification

Noggin Antibody - Product Information

Application	WB, ICC
Primary Accession	Q13253
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Calculated MW	26 KDa

Noggin Antibody - Additional Information

Gene ID 9241

Other Names

NOG;NOGG_HUMAN;Noggin;SYM 1;SYM1;Symphalangism 1 (proximal);Synostoses (multiple) syndrome 1;SYNS 1;SYNS1.

Dilution

WB~~1:1000
ICC~~1:100

Format

ascites

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Noggin Antibody - Protein Information

Name NOG

Function

Inhibitor of bone morphogenetic proteins (BMP) signaling which is required for growth and patterning of the neural tube and somite. Essential for cartilage morphogenesis and joint formation. Inhibits chondrocyte differentiation through its interaction with GDF5 and, probably, GDF6 (PubMed: 21976273, PubMed: 26643732).

Cellular Location

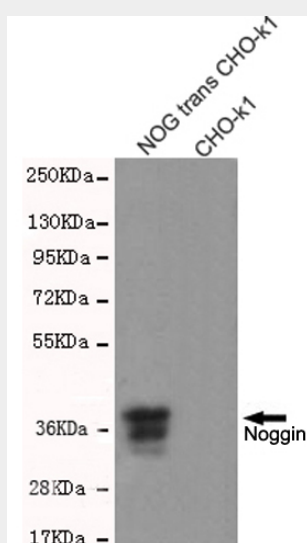
Secreted.

Noggin Antibody - Protocols

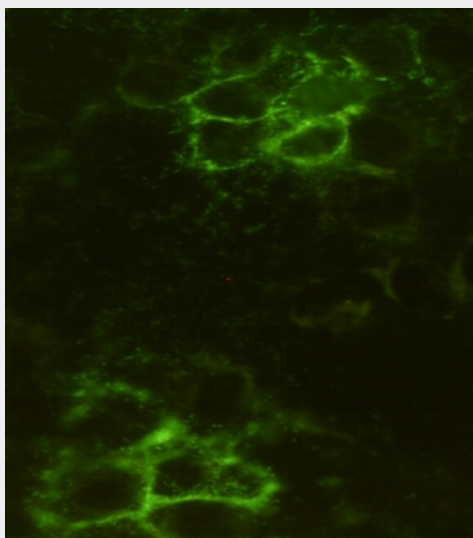
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Noggin Antibody - Images



Western blot detection of Noggin in CHO-K1 cell lysates over-expressing Noggin-PDGFR transmembrane domain fused protein using Noggin mouse mAb (1:1000 diluted). Predicted band size: 26KDa. Observed band size: 37KDa.



Immunocytochemistry staining of HeLa cells surface-expressing Noggin-PDGFR transmembrane domain fused protein using Noggin mouse mAb (dilution 1:100).

Noggin Antibody - Background

Essential for cartilage morphogenesis and joint formation. Inhibitor of bone morphogenetic proteins (BMP) signaling which is required for growth and patterning of the neural tube and somite.

Noggin Antibody - References

Valenzuela D.M.,et al.J. Neurosci. 15:6077-6084(1995).
Groppe J.,et al.Nature 420:636-642(2002).
Gong Y.,et al.Nat. Genet. 21:302-304(1999).
Takahashi T.,et al.Clin. Genet. 60:447-451(2001).
Dixon M.E.,et al.Genet. Med. 3:349-353(2001).