10320 Camino Santa Fe, Suite G
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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
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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.

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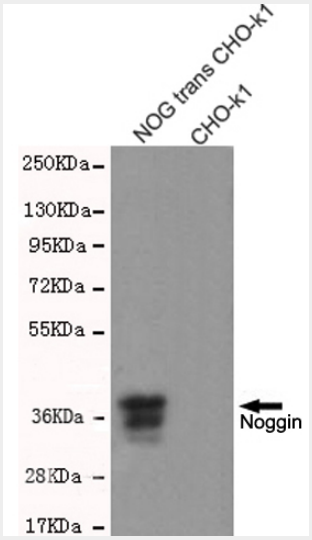
Noggin Antibody - Protocols

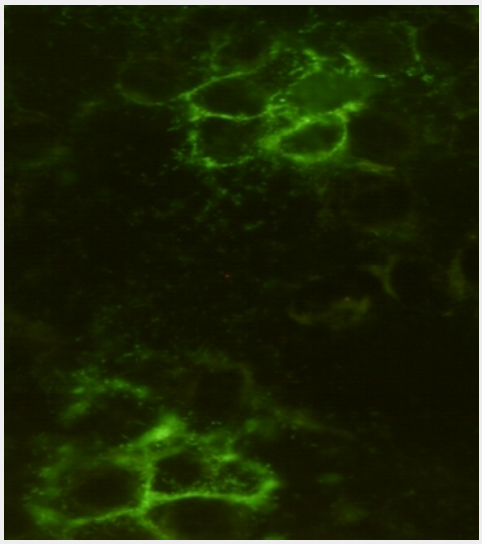
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).

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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).
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