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Noggin Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52792

Product Information

Application	WB, ICC
Primary Accession	Q13253
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Calculated MW	25774

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.

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.

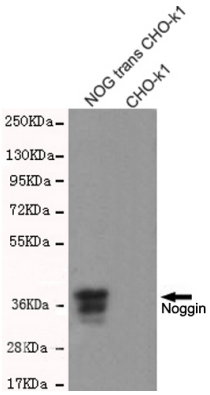
Background

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.

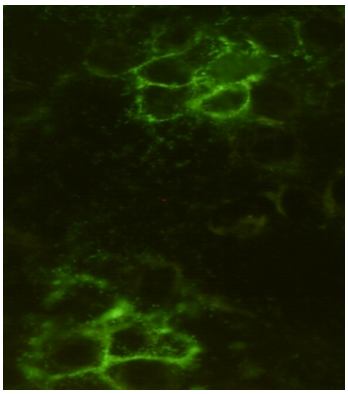
References

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).

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).

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