

Noggin rabbit pAb

Cat No.:ES8751

For research use only

Overview

Product Name	Noggin rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	IHC-p 1:50-200, ELISA 1:10000-20000
Immunogen	The antiserum was produced against synthesized
	peptide derived from the Internal region of human
	NOG. AA range:21-70
Specificity	The antibody detects endogenous Noggin
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Noggin
Gene Name	NOG
Cellular localization	Secreted.
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	9241
Human Swiss-Prot Number	Q13253
Alternative Names	Noggin
Background	The secreted polypeptide, encoded by this gene,
	binds and inactivates members of the transforming
	growth factor-beta (TGF-beta) superfamily signaling
	proteins, such as bone morphogenetic protein-4
	(BMP4). By diffusing through extracellular matrices
	more efficiently than members of the TGF-beta
	superfamily, this protein may have a principal role in
	creating morphogenic gradients. The protein
	appears to have pleiotropic effect, both early in



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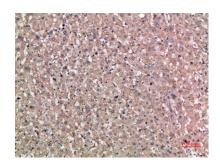
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development as well as in later stages. It was originally isolated from Xenopus based on its ability to restore normal dorsal-ventral body axis in embryos that had been artificially ventralized by UV treatment. The results of the mouse knockout of the ortholog suggest that it is involved in numerous developmental processes, such as neural tube fusion and joint formation. Recently, several dominant human NOG mutations in unrelated families with proximal symphalangism (SYM1) and mu

Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200





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