

Noggin Polyclonal Antibody

Catalog NumberPA5-22795

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	1:1,000-1:2,000
Immunogen	Synthetic peptide comprising an internal sequence of the human Noggin protein. Sequence is 100% conserved in rat and mouse.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Suggested positive control: antigen standard for NOG (transient overexpression lysate).

Background/Target Information

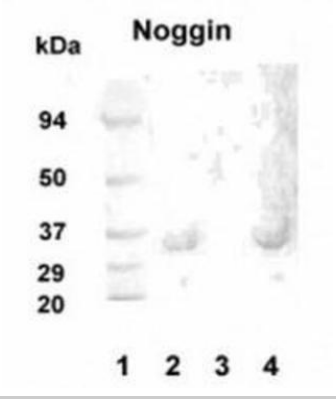
Noggin is involved in numerous developmental processes, such as neural tube fusion and joint formation. The morphogenesis of organs is initiated by a downgrowth from a layer of epithelial stem cells. This process is achieved through the receipt of signals from 1) a WNT protein (WNT3A) to stabilize beta-catenin; and 2) Noggin, which is a bone morphogenetic protein inhibitor. Noggin mutations in unrelated families with proximal symphalangism (SYM1) and multiple synostoses syndrome (SYNS1) have been identified, which have multiple joint fusion as their principal defect.

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Noggin Antibody (PA5-22795) in WB

Western blot analysis of Noggin in 20 µg human hippocampus tissue lysate. Samples were incubated in Noggin polyclonal antibody (Product # PA5-22795) using a dilution of 1:1000 followed by secondary at a dilution of 1:5000. Lane 1: MW marker; Lane 2 and 4: human hippocampus tissue lysate; Lane 3: peptide absorption control.

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