

Noggin Polyclonal Antibody

Catalog Number LF-PA0092

Product data sheet

| Details | | Species Reactivity | |
|--------------------|------------------------------------|--|--------------|
| Size | 100 µL | Species reactivity | Human, Mouse |
| Host/Isotope | Rabbit / IgG | Tested Applications | |
| Class | Polyclonal | Western Blot (WB) | Dilution * |
| Type | Antibody | | 1:1,000 |
| Immunogen | Synthetic peptide (CEHPDPIFDPKEKD) | * 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 | | |
| Storage Conditions | -20° C, Avoid Freeze/Thaw Cycles | | |

Product specific information

A suggested positive control for this product is recombinant mouse Noggin protein.

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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