

## Noggin Polyclonal Antibody

CATALOG #: 5775-100

AMOUNT: 100 µg

LOT #: \_\_\_\_\_

IMMUNOGEN: *E. coli* expressed recombinant human Noggin

INTERNAL ID#: BV-G8

HOST: Rabbit

SPECIES REACTIVITY: Human

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-human Noggin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

### STORAGE CONDITIONS:

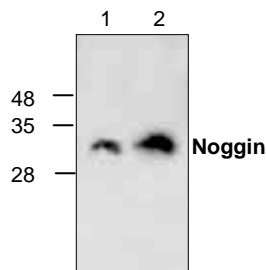
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

Noggin belongs to a group of diffusible proteins which bind to ligands of the TGF-beta family and regulate their activity by inhibiting their access to signaling receptors. Noggin was originally identified as a BMP-4 antagonist whose action is critical for proper formation of the head and other dorsal structures. Consequently, Noggin has been shown to modulate the activities of other BMPs including BMP-2,-7,-13, and -14. Targeted deletion of Noggin in mice results in prenatal death and recessive phenotype displaying a severely malformed skeletal system. Conversely, transgenic mice over-expressing Noggin in mature osteoblasts display impaired osteoblastic differentiation, reduced bone formation, and severe osteoporosis.

### APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human Noggin (Cat.# 4675-20) can be used as a positive control.



Cat.#:5775-100

Western blot analysis using recombinant human Noggin.  
Lane1: 10 ng  
Lane2: 50 ng

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