

## Product datasheet for **TA336497**

### Noggin (NOG) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide comprising an internal sequence of the human Noggin protein. Sequence is 100% conserved in rat and mouse (NP_005441).
Formulation:	PBS, 0.02% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25.7 kDa
Gene Name:	noggin
Database Link:	<a href="#">NP_005441</a> <a href="#">Entrez Gene 18121 Mouse</a> <a href="#">Entrez Gene 25495 Rat</a> <a href="#">Entrez Gene 9241 Human</a> <a href="#">Q13253</a>
Background:	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.
Synonyms:	SYM1; SYNS1; SYNS1A



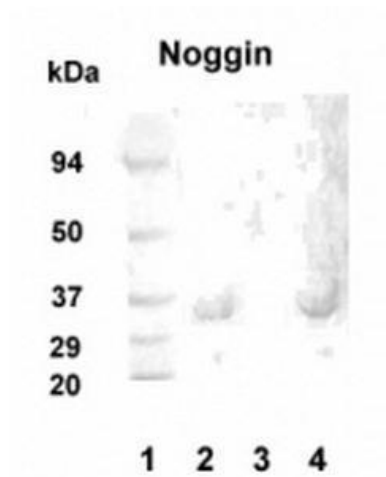
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**Note:** This antibody is useful for Western Blot 1:1000-1:2000.

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** TGF-beta signaling pathway

**Product images:**



Western Blot: Noggin Antibody TA336497 20ug of human hippocampus tissue lysate (lanes 2 and 4) with Noggin polyclonal at 1:1000 dilution followed by secondary at 1:5000 dilution MW marker Lane 1 peptide absorption control lane 3.