

# NOG Rabbit pAb

货号: **AYP16041**

## 产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	25kDa
实测分子量	28kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Mouse brain,Mouse spinal cord
细胞定位	Secreted
纯化	Affinity purification

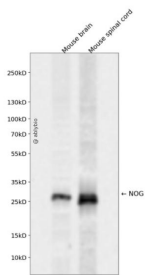
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 28-232 of human NOG ( NP_005441.1).
序列	QHYLEHIRPAPSDNPLVLDLIEHPDPIFDPKKDLNETLLRSLGHHYDPGFMATSPPEDRPGGGGGAAGGAEDLAELDQLL RQRPSGAMPSEIKGLEFSEGLAQGKKQRLSKLRRKLQMWLWSQTFPCVLYAWNDLGSRFWPRYKVGSCFSKRSCSV PEGMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPYIPISECKCSC

## 靶点信息

研究背景	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 development as well as in later stages. It was originally isolated from <i>Xenopus</i> 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 multiple synostoses syndrome (SYNS1) were identified; both SYM1 and SYNS1 have multiple joint fusion as their principal feature, and map to the same region (17q22) as this gene. All of these mutations altered evolutionarily conserved amino acid residues. The amino acid sequence of this human gene is highly homologous to that of <i>Xenopus</i> , rat and mouse.
基因ID	9241
基因名	NOG
Swiss	Q13253
别名	NOG;SYM1;SYNS1;SYNS1A;noggin

## 产品验证



Western blot analysis of NOG expressed in Mouse brain, Mouse spinal cord using NOG Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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