



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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<b>Product Number</b>	ARP58773_P050-HRP
<b>Product Page</b>	<a href="http://www.avivasysbio.com/nog-antibody-middle-region-hrp-arp58773-p050-hrp.html">www.avivasysbio.com/nog-antibody-middle-region-hrp-arp58773-p050-hrp.html</a>
<b>Name</b>	NOG Antibody - middle region : HRP (ARP58773_P050-HRP)
<b>Protein Size (# AA)</b>	232 amino acids
<b>Molecular Weight</b>	24kDa
<b>Conjugation</b>	HRP: Horseradish Peroxidase
<b>NCBI Gene Id</b>	9241
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	0.5 mg/ml
<b>Gene Full Name</b>	Noggin
<b>Alias Symbols</b>	SYM1, SYNS1, SYNS1A
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">GGHYDPGFEMATSPPEDRPGGGGAAGGAEDLAELDQLLRQPSGAMPSEI</a>
<b>Product Format</b>	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
<b>Description of Target</b>	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 synphalangism (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.
<b>Protein Interactions</b>	BMP7; BMP5; BMP4; BMP2; NOG;
<b>Reconstitution and Storage</b>	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
<b>Datasheets/Manuals</b>	Printable datasheet for <a href="#">anti-NOG (ARP58773_P050-HRP) antibody</a>
<b>Blocking Peptide</b>	For anti-NOG (ARP58773_P050-HRP) antibody is <a href="#">Catalog# AAP58773</a> (Previous Catalog # AAPP38539)
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the middle region of human NOG
<b>Uniprot ID</b>	<a href="#">Q13253</a>
<b>Protein Name</b>	Noggin
<b>Protein Accession #</b>	<a href="#">NP_005441</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_005450</a>
<b>Gene Symbol</b>	<a href="#">NOG</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Horse, Pig, Sheep
<b>Application</b>	WB

<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rat: 100%; Sheep: 100%
<b>Image 1</b>	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.

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