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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58773_P050-FITC
Product Page	www.avivasysbio.com/nog-antibody-middle-region-fitc-arp58773-p050-fitc.html
Name	NOG Antibody - middle region : FITC (ARP58773_P050-FITC)
Protein Size (# AA)	232 amino acids
Molecular Weight	24kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	9241
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Noggin
Alias Symbols	SYM1, SYNS1, SYNS1A
Peptide Sequence	Synthetic peptide located within the following region: GGHYDPGFEMATSPPEDRPGGGGAAGGAEDLAELDQLLRQPSGAMPSEI
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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.
Protein Interactions	BMP7; BMP5; BMP4; BMP2; NOG;
Reconstitution and Storage	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.
Datasheets/Manuals	Printable datasheet for anti-NOG (ARP58773_P050-FITC) antibody
Blocking Peptide	For anti-NOG (ARP58773_P050-FITC) antibody is Catalog# AAP58773 (Previous Catalog# AAPP38539)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NOG
Uniprot ID	Q13253
Protein Name	Noggin
Protein Accession #	NP_005441
Purification	Affinity Purified
Nucleotide Accession #	NM_005450
Gene Symbol	NOG
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Horse, Pig, Sheep
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rat: 100%; Sheep: 100%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base.

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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