

Datasheet for ABIN7244756

anti-NOG antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	NOG
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOG antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthetic peptide of human NOG
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	NOG
Alternative Name:	NOG (NOG Products)
Background:	NOG (Noggin) is a Protein Coding gene. Diseases associated with NOG include Tarsal-Carpal Coalition Syndrome and Brachydactyly, Type B2. Among its related pathways are Mesodermal Commitment Pathway and Differentiation Pathway. GO annotations related to this gene include protein homodimerization activity and cytokine binding. The secreted polypeptide, encoded by

Target Details

this gene, binds and inactivates members of the transforming growth factor-beta (TGF-beta) superfamily signaling proteins, such as bone morphogenetic protein-4 (BMP4). The protein appears to have pleiotropic effect, both early in development as well as in later stages. It was originally isolated from *Xenopus* 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.

UniProt: [Q13253](#)

Pathways: [Stem Cell Maintenance](#), [Tube Formation](#)

Application Details

Application Notes: IHC 1:25-1:100, ELISA 1:5000-1:10000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.9 mg/mL

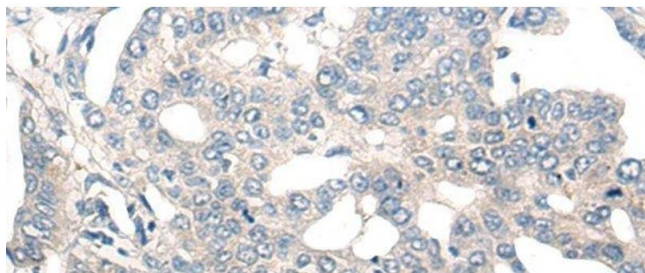
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

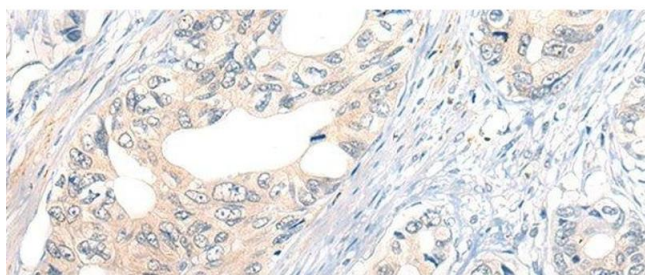
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human liver cancer tissue using NOG Polyclonal Antibody at dilution of 1:50(x200)



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using NOG Polyclonal Antibody at dilution of 1:50(x200)