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Datasheet for ABIN500375
anti-NOTUM antibody (N-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	NOTUM
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTUM antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	NOTUM antibody was raised against a 19 amino acid peptide near the amino terminus of Human NOTUM.
Isotype:	IgG
Specificity:	This antibody detects Notum.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Peptide Affinity Chromatography

Target Details

Target:	NOTUM
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Target Details

Alternative Name: Notum ([NOTUM Products](#))

Background: In *Drosophila*, the notum gene is regulated by the Wingless pathway and encodes a secreted hydrolase that modifies heparan sulfate proteoglycans. The mammalian homolog has been shown to be able to cleave glypicans and can release GPI-anchored proteins from the mammalian cell surface. Like the *Drosophila* NOTUM, the mammalian protein can act as a negative regulator of the Wnt signaling pathway. NOTUM is expressed at a low level in most mammalian tissues, although it is overexpressed in a subset of human hepatocellular carcinomas. Its transcription is regulated by b-catenin/TCF and is a target of the Wnt signaling pathway, forming a negative feedback loop that regulates the expression and activity of the Wnt pathway.

Gene ID: 147111

NCBI Accession: [NP_848588](#)

UniProt: [Q6P988](#)

Application Details

Application Notes: ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide

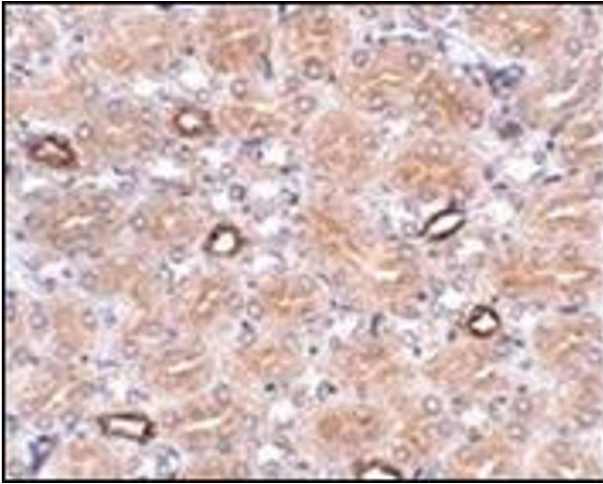
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

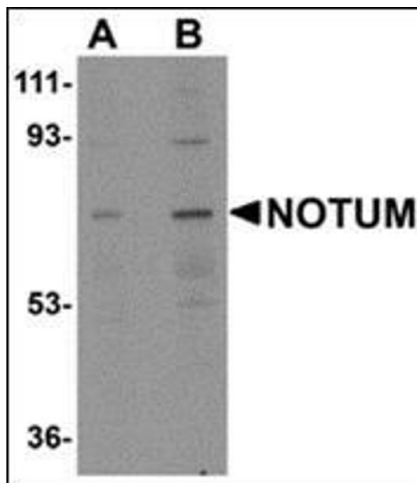
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of NOTUM in human brain tissue with this product at 2.5 $\mu\text{g}/\text{ml}$.



Western Blotting

Image 2. Western blot analysis of NOTUM AP30609PU-N antibody in Human kidney tissue lysate at 0.5 $\mu\text{g}/\text{ml}$ (A) and 1 $\mu\text{g}/\text{ml}$ (B).