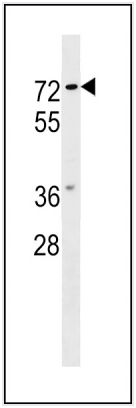
NOTUM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NOTUM, Polyclonal Antibody
Full Product Name	NOTUM Antibody (C-term)
Product Gene Name	anti-NOTUM antibody
Product Synonym Names	Protein notum homolog; 3---; NOTUM
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.42 (lot specific)
Specificity	This NOTUM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 353-379 amino acids from the C-terminal region of human NOTUM.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	NOTUM peptide (MBS9222894) is used for blocking the activity of NOTUM antibody (MBS9202990)
Molecular Weight	55699
Immunogen Sequence Positions	353-379
OMIM	609847
3D Structure	ModBase 3D Structure for Q6P988
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-NOTUM antibody	Neuroscience
Applications Tested/Suitable for anti-NOTUM antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NOTUM antibody	WB~~1:1000
Related Product Information for anti-NOTUM antibody	MBS9202990 is an antibody targeting NOTUM. Also known as NOTUM Antibody (C-term). Reactive in Human. Host: Rabbit. NOTUM may deacetylate GlcNAc residues on cell surface glycans (Potential).
Product References and Citations for anti-NOTUM antibody	Torisu, Y., et al. Cancer Sci. 99(6):1139-1146(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007)
Other Notes	Small volumes of anti-NOTUM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NOTUM antibody
NOTUM Antibody (C-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the NOTUM antibody detected the NOTUM protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOTUM. It may not necessarily be applicable to this product.

NCBI GI #	194394139
NCBI GeneID	147111
NCBI Accession #	NP_848588.3
UniProt Primary Accession #	Q6P988
UniProt Secondary Accession #	Q8N410; Q8NI82
UniProt Related Accession #	Q6P988
GenBank Nucleotide #	NM_178493.5
NCBI Official Full Name	palmitoleoyl-protein carboxylesterase NOTUM
NCBI Official Synonym Full Names	notum pectinacetylesterase homolog (Drosophila)
NCBI Official Symbol	NOTUM
NCBI Official Synonym Symbols	hNOTUM
UniProt Protein Name	Palmitoleoyl-protein carboxylesterase NOTUM
UniProt Synonym Protein Names	hNOTUM
Protein Family	Palmitoleoyl-protein carboxylesterase
UniProt Gene Name	NOTUM
UniProt Entry Name	NOTUM_HUMAN
NCBI Protein Information	palmitoleoyl-protein carboxylesterase NOTUM
UniProt Comments for NOTUM	NOTUM: May deacetylate GlcNAc residues on cell surface glycans (Potential). Belongs to the pectinacetylesterase family. Protein type: Secreted; EC 3.-.-.-; Hydrolase; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: extracellular region Molecular Function: hydrolase activity Biological Process: metabolic process

Research Articles on NOTUM	**1.** Kinetic and mass spectrometric analyses of human proteins show that Notum is a carboxylesterase that removes an essential palmitoleate moiety from Wnt proteins and thus constitutes the first known extracellular protein deacylase
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