

Rabbit anti-Human NOV/CCN3 Polyclonal Antibody | anti-NOV antibody

Anti-NOV/CCN3 Antibody, Rabbit Polyclonal

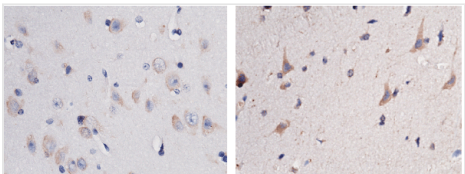
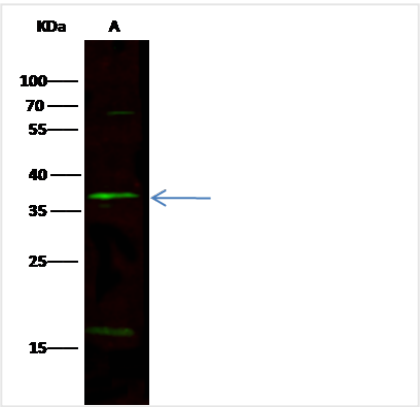
CATALOG # AAA254773	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

NOV/CCN3; Polyclonal Antibody; Anti-NOV/CCN3 Antibody; Rabbit Polyclonal; CCN3/NOV/IGFBP9 Antibody; Rabbit PAb; Antigen Affinity Purified; nephroblastoma overexpressed; Anti-CCN3 Antibody; Anti-IBP-9 Antibody; Anti-IGFBP-9 Antibody; Anti-IGFBP9 Antibody; Anti-NOVh Antibody; anti-NOV antibody

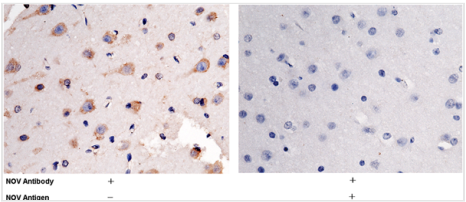
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CCN3/NOV/IGFBP9
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NOV antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CCN3/NOV/IGFBP9 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CCN3/NOV/IGFBP9 (rh CCN3/NOV/IGFBP9). CCN3/NOV/IGFBP9 specific IgG was purified by Human CCN3/NOV/IGFBP9 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human NOV in human brain (from 2 donors) with rabbit polyclonal antibody at 1:2500 dilution, formalin-fixed paraffin embedded sections.

WB (Western Blot)
Anti-NOV rabbit polyclonal antibody at 1:500 dilution
Lane A: K562 Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 39 kDa
Observed band size: 37 kDa



IHC (Immunohistochemistry)
Immunochemical staining of human NOV in human brain with rabbit polyclonal antibody at 1:2500 dilution, formalin-fixed paraffin embedded sections. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).

ADDITIONAL INFORMATION

Related Product Information for anti-NOV antibody	Protein NOV homolog, also known as Nephroblastoma-overexpressed gene protein homolog, NOV, and CCN3, is a putative ligand for integrin receptors, is tightly associated with the extracellular matrix, and mediates diverse cellular functions, including cell adhesion and proliferation. CCN3 has been shown to negatively regulate growth although it promotes migration in a cell type-specific manner. This secreted protein belongs to the CCN family, and its expression was observed in a broad variety of tissues from the early stage of development, and altered expression of CCN3 has been observed in a variety of tumors, including hepatocellular carcinomas, Wilm's tumors, Ewing's sarcomas, gliomas, rhabdomyosarcomas, and adrenocortical carcinomas. Mature CCN3 protein has five distinct modules and truncated protein variants with altered function are found in many cancers. CCN3 acts through the core stem cell signaling pathways including Notch and Bone Morphogenic Protein, connecting CCN3 with the modulation of self-renewal and maturation of some cell lineages including hematopoietic, osteogenic, and chondrogenic. CCN3 may affect the extracellular environment of the niche for hematopoietic stem cells. CCN3 has emerged as a key player in stem cell regulation, hematopoiesis, and a crucial component within the bone marrow microenvironment.
References	Manara MC, et al. (2002) The expression of ccn3(nov) gene in musculoskeletal tumors. Am J Pathol. 160(3): 849-59. Lin CG, et al. (2003) CCN3 (NOV) is a novel angiogenic regulator of the CCN protein family. J Biol Chem. 278(26): 24200-8. Vallacchi V, et al. (2009) CCN3/nephroblastoma overexpressed matricellular protein regulates integrin expression, adhesion, and dissemination in melanoma. Cancer Res. 68(3): 715-23. Sin WC, et al. (2009) Matricellular protein CCN3 (NOV) regulates actin cytoskeleton reorganization. J Biol Chem. 284(43): 29935-44. McCallum L, et al. (2009) CCN3--a key regulator of the hematopoietic compartment. Blood Rev. 23(2): 79-85.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505423
NCBI GeneID	4856

NCBI Accession #	NP_002505.1
NCBI GenBank Nucleotide #	NM_002514.3
UniProt Accession #	P48745; Q6I9S3; Q96BY5; Q9UDE4; B2R5X7
Molecular Weight	39,162 Da
NCBI Official Full Name	protein NOV homolog
NCBI Official Synonym Full Names	nephroblastoma overexpressed
NCBI Official Symbol	NOV
NCBI Official Synonym Symbols	CCN3; NOVh; IBP-9; IGFBP9; IGFBP-9
NCBI Protein Information	protein NOV homolog; CCN family member 3; IGF-binding protein 9; insulin-like growth factor-binding protein 9; nephroblastoma-overexpressed gene protein homolog
UniProt Protein Name	Protein NOV homolog
UniProt Gene Name	NOV
UniProt Synonym Gene Names	CCN3; IGFBP9; NOVH; NovH; IBP-9; IGF-binding protein 9; IGFBP-9
UniProt Entry Name	NOV_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nov-ccn3-antibody-immunohistochemistry-western-blot-elisa/254773>