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NOV Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full-length recombinant NOV.
Catalog # AT3080a

Specification

NOV Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P48745
Other Accession	BC015028
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**39162**

NOV Antibody (monoclonal) (M01) - Additional Information

Gene ID 4856

Other Names
Protein NOV homolog, NovH, CCN family member 3, Insulin-like growth factor-binding protein 9, IBP-9, IGF-binding protein 9, IGFBP-9, Nephroblastoma-overexpressed gene protein homolog, NOV, CCN3, IGFBP9, NOVH

Target/Specificity
NOV (AAH15028, 1 a.a. ~ 357 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
NOV Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

NOV Antibody (monoclonal) (M01) - Protocols

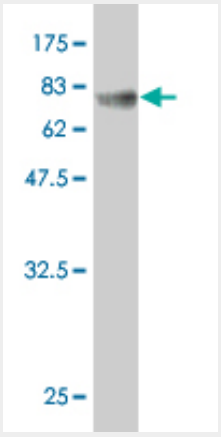
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

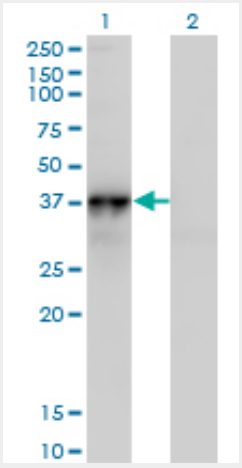
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NOV Antibody (monoclonal) (M01) - Images



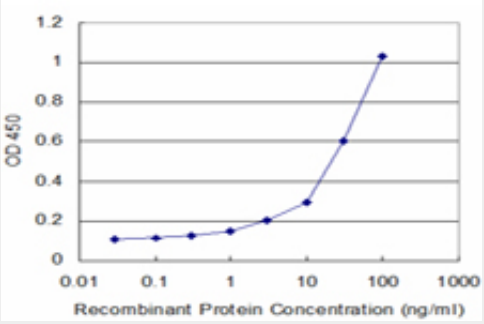
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (65.01 KDa) .



Western Blot analysis of NOV expression in transfected 293T cell line by NOV monoclonal antibody (M01), clone 3C2.

Lane 1: NOV transfected lysate(39.2 KDa).
Lane 2: Non-transfected lysate.

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Detection limit for recombinant GST tagged NOV is approximately 1ng/ml as a capture antibody.

NOV Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a small secreted cysteine-rich protein and a member of the CCN family of regulatory proteins. CNN family proteins associate with the extracellular matrix and play an important role in cardiovascular and skeletal development, fibrosis and cancer development.

NOV Antibody (monoclonal) (M01) - References

More insights into the CCN3/Connexin43 interaction complex and its role for signaling. Gellhaus A, et al. J Cell Biochem, 2010 May. PMID 20336664.Regulation of the matricellular proteins CYR61 (CCN1) and NOV (CCN3) by hypoxia-inducible factor-1{alpha} and transforming-growth factor-{beta}3 in the human trophoblast. Wolf N, et al. Endocrinology, 2010 Jun. PMID 20237132.Antagonistic effect of the matricellular signaling protein CCN3 on TGF-beta- and Wnt-mediated fibrillinogenesis in systemic sclerosis and Marfan syndrome. Lemaire R, et al. J Invest Dermatol, 2010 Jun. PMID 20182440.CCN3 inhibits neointimal hyperplasia through modulation of smooth muscle cell growth and migration. Shimoyama T, et al. Arterioscler Thromb Vasc Biol, 2010 Apr. PMID 20139355.Differential expression of CCN1/CYR61, CCN3/NOV, CCN4/WISP1, and CCN5/WISP2 in neurofibromatosis type 1 tumorigenesis. Pasmant E, et al. J Neuropathol Exp Neurol, 2010 Jan. PMID 20010302.