10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

N4BP2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant N4BP2.

Catalog # AT2968a

Specification

N4BP2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q86UW6
Other Accession	NM_018177
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**198801**

N4BP2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 55728

Other Names
NEDD4-binding protein 2, N4BP2, 3---, BCL-3-binding protein, N4BP2, B3BP, KIAA1413

Target/Specificity
N4BP2 (NP_060647, 1671 a.a. ~ 1770 a.a) partial 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
N4BP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

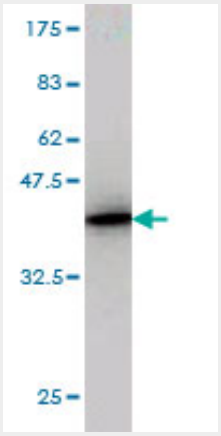
N4BP2 Antibody (monoclonal) (M01) - Protocols

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

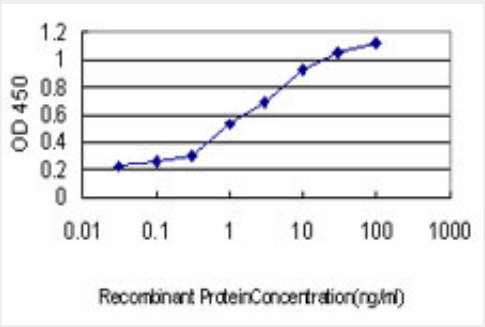
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

N4BP2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged N4BP2 is approximately 0.03ng/ml as a capture antibody.

N4BP2 Antibody (monoclonal) (M01) - Background

This gene encodes a protein containing a polynucleotide kinase domain (PNK) near the N-terminal region, and a Small MutS Related (Smr) domain near the C-terminal region. The encoded protein can bind to both B-cell leukemia/lymphoma 3 (BCL-3) and neural precursor cell expressed, developmentally downregulated 4, (Nedd4) proteins. This protein binds and hydrolyzes ATP, may function as a 5'-polynucleotide kinase, and has the capacity to be a ubiquitylation substrate. This protein may play a role in transcription-coupled DNA repair or genetic recombination.

N4BP2 Antibody (monoclonal) (M01) - References

Solution structure and characterization of the DNA-binding activity of the B3BP-Smr domain. Diercks T, et al. J Mol Biol, 2008 Nov 28. PMID 18804481.Fine expression profiling of full-length transcripts using a size-unbiased cDNA library prepared with the vector-capping method. Oshikawa M, et al. DNA Res, 2008 Jun 30. PMID 18487259.Demethylation of H3K27 regulates polycomb recruitment and H2A ubiquitination. Lee MG, et al. Science, 2007 Oct 19. PMID 17761849.Haplotype of gene Nedd4 binding protein 2 associated with sporadic nasopharyngeal carcinoma in the Southern Chinese population. Zheng MZ, et al. J Transl Med, 2007 Jul 13. PMID 17626640.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006

Nov 3. PMID 17081983.