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NBR1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NBR1.
Catalog # AT2977a

Product Information

Application	WB, E
Primary Accession	Q14596
Other Accession	NM_005899
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6B11
Calculated MW	107413

Additional Information

Gene ID	4077
Other Names	Next to BRCA1 gene 1 protein, Cell migration-inducing gene 19 protein, Membrane component chromosome 17 surface marker 2, Neighbor of BRCA1 gene 1 protein, Protein 1A1-3B, NBR1, 1A13B, KIAA0049, M17S2
Target/Specificity	NBR1 (NP_005890, 2 a.a. ~ 96 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
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	NBR1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

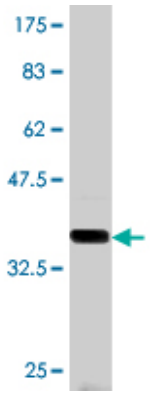
Background

The protein encoded by this gene was originally identified as an ovarian tumor antigen monitored in ovarian cancer. The encoded protein contains a B-box/coiled coil motif, which is present in many genes with transformation potential, but the function of this protein is unknown. This gene is located on a region of chromosome 17q21.1 that is in close proximity to tumor suppressor gene BRCA1. Three alternatively spliced variants encoding the same protein have been identified for this gene.

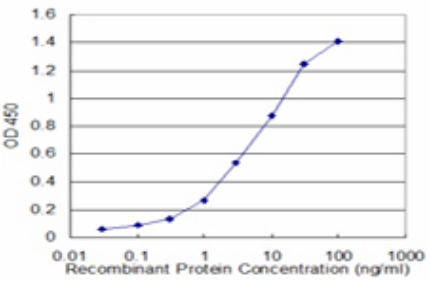
References

1.Brain region- and age-dependent dysregulation of p62 and NBR1 in a mouse model of Huntington's disease.Rue L, Lopez-Soop G, Gelpi E, Martinez-Vicente M, Alberch J, Perez-Navarro E.Neurobiol Dis. 2013 Jan 4. pii: S0969-9961(12)00400-7. doi: 10.1016/j.nbd.2012.12.008.2.NBR1 acts as an autophagy receptor for peroxisomes.Deosaran E, Larsen KB, Hua R, Sargent G, Wang Y, Kim S, Lamark T, Jauregui M, Law K, Lippincott-Schwartz J, Brech A, Johansen T, Kim PKJ Cell Sci. 2013 Feb 15;126(Pt 4):939-52. doi: 10.1242/jcs.114819. Epub 2012 Dec 13.3.Molecular determinants of selective clearance of protein inclusions by autophagy.Wong E, Bejarano E, Rakshit M, Lee K, Hanson HH, Zaarur N, Phillips GR, Sherman MY, Cuervo AM.Nat Commun. 2012 Dec 4;3:1240. doi: 10.1038/ncomms2244.4.Nbr1 is a novel inhibitor of ligand-mediated RTK degradation.Mardakheh FK, Auciello G, Dafforn TR, Rappoport JZ, Heath JK.Mol Cell Biol. 2010 Oct 11. [Epub ahead of print]5.Spred2 interaction with the late endosomal protein NBR1 down-regulates fibroblast growth factor receptor signaling.Mardakheh FK, Yekezare M, Machesky LM, Heath JK.J Cell Biol. 2009 Oct 12. [Epub ahead of print]

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.19 KDa) .



Detection limit for recombinant GST tagged NBR1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.