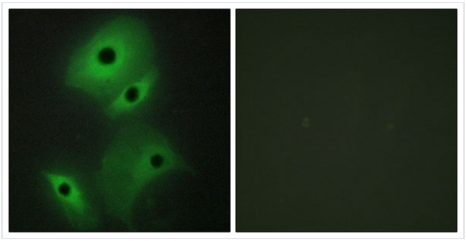
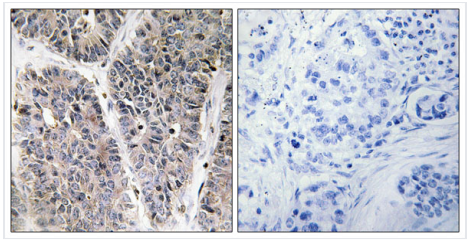
NBL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

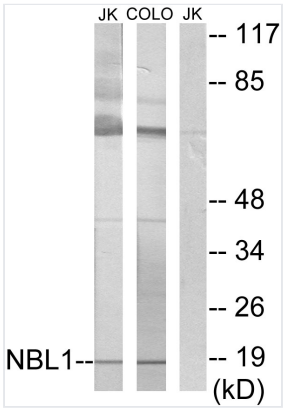
Product Name	NBL1, Polyclonal Antibody
Full Product Name	NBL1 Antibody
Product Gene Name	anti-NBL1 antibody
Product Synonym Names	Neuroblastoma suppressor of tumorigenicity 1; Zinc finger protein DAN; N03; DAN domain family member 1; NBL1; DAN; DAND1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	NBL1 Antibody detects endogenous levels of total NBL1 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	19 kDa
OMIM	D28124 mRNA
3D Structure	ModBase 3D Structure for P41271
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human NBL1.
Immunogen Range	131-180
Applications Tested/Suitable for anti-NBL1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-NBL1 antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000
Related Product Information for anti-NBL1 antibody	MBS9505060 is an antibody targeting NBL1. Also known as NBL1 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-NBL1 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.



Immunofluorescence (IF) of anti-NBL1 antibody
Immunofluorescence analysis of HeLa cells, using NBL1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry (IHC) of anti-NBL1 antibody
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using NBL1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-NBL1 antibody
Western blot analysis of lysates from Jurkat and COLO cells, using NBL1 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NBL1. It may not necessarily be applicable to this product.

NCBI GI #	323276675
NCBI GeneID	4681
NCBI Accession #	NP_001191013.1
UniProt Primary Accession #	P41271
UniProt Secondary Accession #	Q5TGZ2; Q5U0N4; Q96L68; A3KFI7
UniProt Related Accession #	P41271
GenBank Nucleotide #	NM_001204084.2
NCBI Official Full Name	neuroblastoma suppressor of tumorigenicity 1 isoform 2
NCBI Official Synonym Full Names	neuroblastoma 1, DAN family BMP antagonist
NCBI Official Symbol	NBL1
NCBI Official Synonym Symbols	NB; DAN; NO3; DAND1; D1S1733E
UniProt Protein Name	Neuroblastoma suppressor of tumorigenicity 1
UniProt Synonym Protein Names	DAN domain family member 1; Protein N03; Zinc finger protein DAN
Protein Family	N-terminal-borealin-like protein
UniProt Gene Name	NBL1
UniProt Synonym Gene Names	DAN; DAND1
NCBI Protein Information	neuroblastoma suppressor of tumorigenicity 1

NCBI Summary for NBL1	This gene product is the founding member of the evolutionarily conserved CAN (Cerberus and DAN) family of proteins, which contain a domain resembling the CTCK (C-terminal cystine knot-like) motif found in a number of signaling molecules. These proteins are secreted, and act as BMP (bone morphogenetic protein) antagonists by binding to BMPs and preventing them from interacting with their receptors. They may thus play an important role during growth and development. Alternatively spliced transcript variants have been identified for this gene. Read-through transcripts between this locus and the upstream mitochondrial inner membrane organizing system 1 gene (GeneID 440574) have been observed. [provided by RefSeq, May 2013]
UniProt Comments for NBL1	Possible candidate as a tumor suppressor gene of neuroblastoma. May play an important role in preventing cells from entering the final stage (G1/S) of the transformation process.
Research Articles on NBL1	**1.** The structure of Grem2-GDF5 complex has revealed a number of key findings for DAN-family mediated BMP2 inhibition.
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