

Rabbit anti-Human NBL1 Polyclonal Antibody | anti-NBL1 antibody

Anti-NBL1 Antibody, Rabbit Polyclonal

CATALOG # AAA254621	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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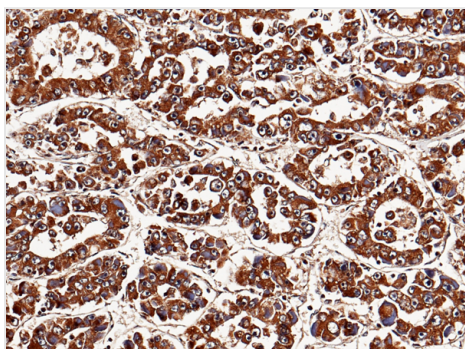
PRODUCT SYNONYMS

NBL1; Polyclonal Antibody; Anti-NBL1 Antibody; Rabbit Polyclonal; NBL1/DAND1/DAN Antibody; Rabbit PAb; Antigen Affinity Purified; neuroblastoma 1; DAN family BMP antagonist; Anti-D1S1733E Antibody; Anti-DAN Antibody; Anti-DAND1 Antibody; Anti-NB Antibody; Anti-NO3 Antibody; anti-NBL1 antibody

PRODUCT SPECIFICATIONS

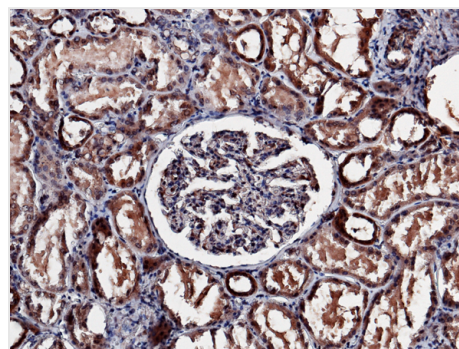
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NBL1/DAN/DAND1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NBL1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human NBL1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human NBL1/DAN (rh NBL1). NBL1 specific IgG was purified by human NBL1 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.

IMAGES



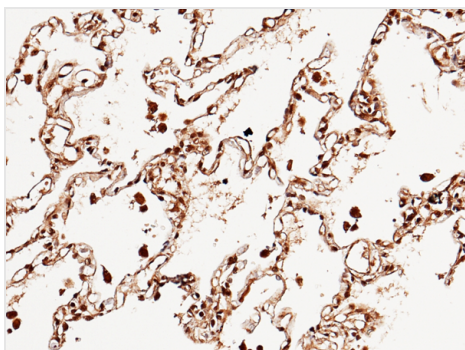
IHC (Immunohistochemistry)

Immunochemical staining of human DAN in human hepatoma with rabbit polyclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human DAN in human kidney with rabbit polyclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
 Immunochemical staining of human DAN in human lung with rabbit polyclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-NBL1 antibody	The Dan (Differential screening-selected gene aberrative in neuroblastoma, also known as NO3) gene was first identified as the putative rat tumor suppressor gene and encodes a protein structurally related to Cerberus and Gremlin in the vertebrates. It is a founding member of the DAN family of secreted proteins, acts as an inhibitor of cell cycle progression, and is closely involved in retinoic acid-induced neuroblastoma differentiation. There are at least five mammalian protein members in the evolutionarily conserved Dan family including DAN, Gremlin/DRM, Cer1 (Cerberus-related), Dante, and PRDC (protein related to DAN and Cerberus), and share the C-terminal cystine-knot motif. As a secreted glycoprotein, DAN is a member of a class of glycoproteins shown to be secreted inhibitors of the transforming growth factor-beta (TGF-beta) and bone morphogenic protein pathways. It binds to BMPs and preventing their interactions with signaling receptor complexes, and accordingly regulates the processes of embryonic development and tissue differentiation. DAN gene product may have an important role in the regulation of the entry of cells into the S phase. Besides, the DAN gene product possesses an ability to revert phenotypes of transformed rat fibroblasts and represents a candidate tumor suppressor gene for neuroblastoma.
References	Ozaki T, et al. (1995) Overexpression of DAN gene product in normal rat fibroblasts causes a retardation of the entry into the S phase. <i>Cancer Res.</i> 55(4): 895-900. Nakamura Y, et al. (1997) A product of DAN, a novel candidate tumour suppressor gene, is secreted into culture medium and suppresses DNA synthesis. <i>Eur J Cancer.</i> 33(12): 1986-90. Ogita J, et al. (2001) Expression of the Dan gene during chicken embryonic development. <i>Mech Dev.</i> 109(2): 363-5. Kim AS, et al. (2003) Expression of the BMP antagonist Dan during murine forebrain development. <i>Brain Res Dev Brain Res.</i> 145(1): 159-62.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885509
NCBI GeneID	4681
NCBI Accession #	NP_005371.1
NCBI GenBank Nucleotide #	NM_005380.4
Molecular Weight	23,169 Da
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
NCBI Protein Information	neuroblastoma suppressor of tumorigenicity 1

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.