

## DAN Polyclonal Antibody

<b>Catalog No :</b>	YT1284
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	DAN
<b>Fields :</b>	>>TGF-beta signaling pathway
<b>Gene Name :</b>	NBL1
<b>Protein Name :</b>	Neuroblastoma suppressor of tumorigenicity 1
<b>Human Gene Id :</b>	4681
<b>Human Swiss Prot No :</b>	P41271
<b>Mouse Swiss Prot No :</b>	Q61477
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human NBL1. AA range:131-180
<b>Specificity :</b>	DAN Polyclonal Antibody detects endogenous levels of DAN protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 19kD

**Background :**

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],

**Function :**

disease:Defects in NBL1 are possibly the cause of the development and/or progression of human neuroblastoma.,function: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.,similarity:Belongs to the DAN family.,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain.,tissue specificity:Most abundant in normal lung and meningioma.,

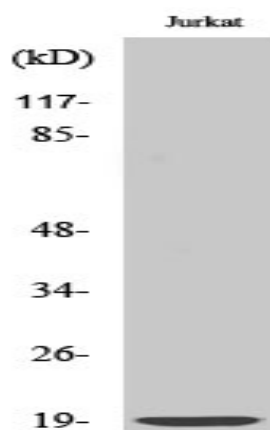
**Subcellular Location :**

Secreted.

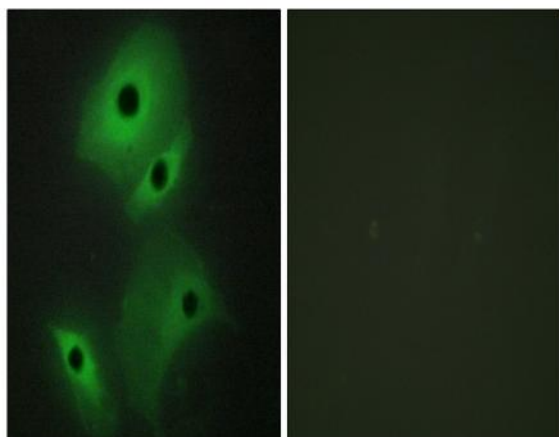
**Expression :**

Most abundant in normal lung and meningioma.

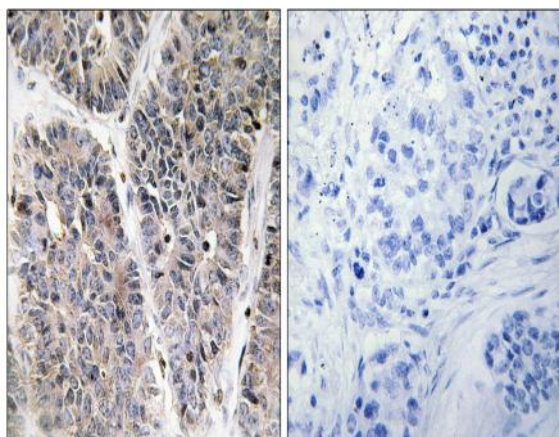
## Products Images



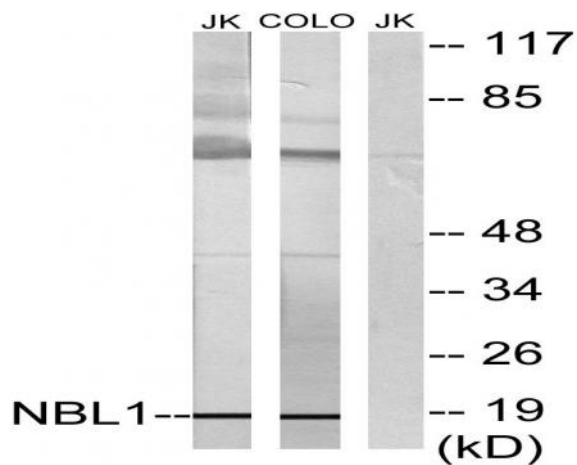
Western Blot analysis of various cells using DAN Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of HeLa cells, using NBL1 Antibody. The picture on the right is blocked with the synthesized peptide.



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 analysis of lysates from Jurkat and COLO cells, using NBL1 Antibody. The lane on the right is blocked with the synthesized peptide.