ARG57025
anti-NBL1 antibody [38G8]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [38G8] recognizes NBL1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	38G8
Isotype	IgG1, kappa
Target Name	NBL1
Species	Human
Immunogen	Recombinant fragment around aa. 18-181 of Human NBL1.
Conjugation	Un-conjugated
Alternate Names	NB; DAN; NO3; DAND1; D1S1733E

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
ICC/IF	Assay-dependent
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

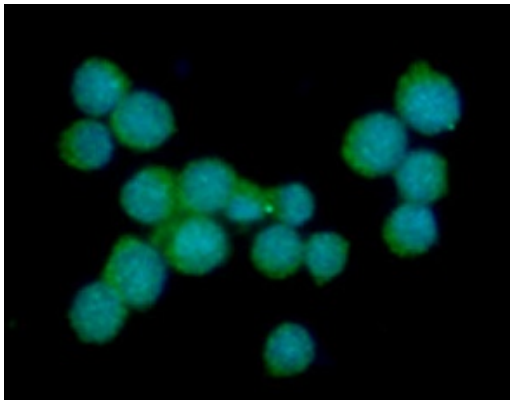
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 4681 Human Swiss-port # P41271 Human
Gene Symbol	NBL1
Gene Full Name	neuroblastoma 1, DAN family BMP antagonist
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	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. [UniProt]
Calculated Mw	19 kDa

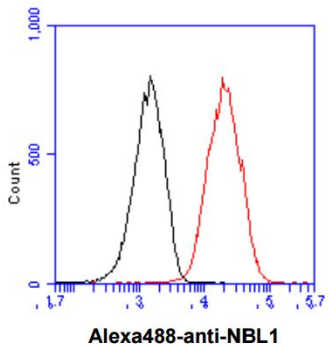
Images



ARG57025 anti-NBL1 antibody [38G8] ICC/IF image

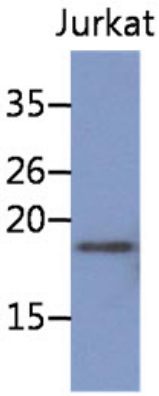
Immunoflorescense: Jurkat cell line stained with ARG57025 anti-NBL1 antibody [38G8] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



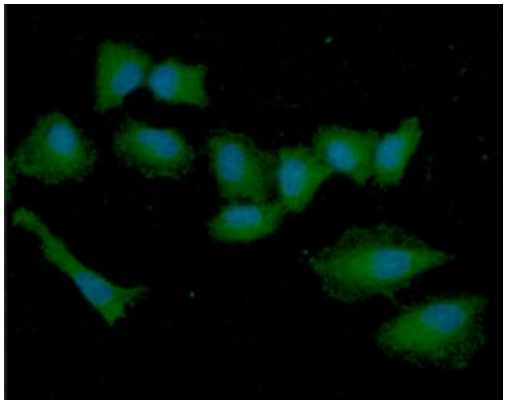
ARG57025 anti-NBL1 antibody [38G8] FACS image

Flow Cytometry: Jurkat cell line stained with ARG57025 anti-NBL1 antibody [38G8] at 2-5 µg for 1x10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



ARG57025 anti-NBL1 antibody [38G8] WB image

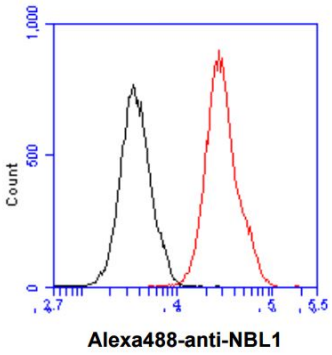
Western blot: 30 µg of Jurkat cell lysate stained with ARG57025 anti-NBL1 antibody [38G8] at 1:1000.



ARG57025 anti-NBL1 antibody [38G8] ICC/IF image

Immunoflorescense: A549 cell line stained with ARG57025 anti-NBL1 antibody [38G8] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57025 anti-NBL1 antibody [38G8] FACS image

Flow Cytometry: A549 cell line stained with ARG57025 anti-NBL1 antibody [38G8] at 2-5 µg for 1x10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).