

For Research Use Only

CoraLite®594-conjugated NBR1 Polyclonal antibody



Catalog Number: CL594-16004

Featured Product

Basic Information

Catalog Number: CL594-16004	GenBank Accession Number: BC009808	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4077	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: neighbor of BRCA1 gene 1	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
IsoType: IgG	Calculated MW: 966 aa, 107 kDa	
Immunogen Catalog Number: AG8652	Observed MW: 140 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse, rat, monkey	

Background Information

NBR1, also named as 1A13B, KIAA0049 and M17S2, acts probably as a receptor for selective autophagosomal degradation of ubiquitinated targets. NBR1 and P62 can bind to autophagic effector proteins (Atg8 in yeast, MAP1LC3 protein family in mammals) anchored in the membrane of autophagosomes. It is a highly conserved multidomain scaffold protein with proposed roles in endocytic trafficking and selective autophagy. NBR1 is a novel PB1 adapter in Th2 differentiation and asthma. It functions as an autophagy receptor involved in targeting ubiquitinated proteins for degradation. It also has a dual role as a scaffold protein to regulate growth-factor receptor and downstream signaling pathways. Observed MW of NBR1 is 140 kDa (PMID: 22654911, PMID: 22484440).

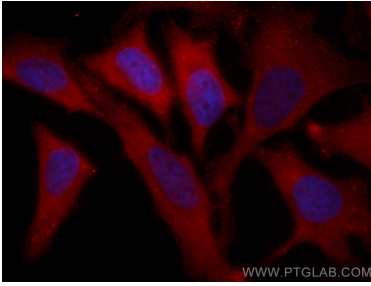
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

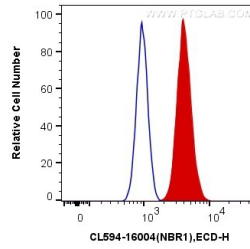
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 NBR1 antibody (CL594-16004) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human NBR1 (CL594-16004) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).