



Catalog Number GTX117355 Package:25 µl, 100 µl

Product Name 4-1BBL / CD137L antibody [N2C3]

Full Name tumor necrosis factor (ligand) superfamily, member 9

Synonyms 4-1BB-L antibody, CD137L antibody, TNFSF9 antibody, tumor necrosis factor ligand superfamily member 9 antibody, 4-1BBL antibody, receptor 4-1BB ligand antibody, 4-1BB ligand antibody, homolog of mouse 4-1BB-L antibody, "tumor necrosis factor (ligand) superfamily, member 9 antibody"

Product Description Rabbit Polyclonal antibody to 4-1BBL / CD137L

Background The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target 4-1BBL / CD137L

Immunogen Recombinant protein encompassing a sequence within the center region of human TNFSF9. The exact sequence is proprietary.

Antigen Species Human

Species Reactivity Human

Applications IP, WB

Application Note	Suggested dilution	Reference
Immunoprecipitation	1:100-1:500*	
Western blot	1:500-1:3000*	

Not tested in other applications.

*Optimal dilutions/concentrations should be determined by the researcher.

Positive Controls A549 , HeLa , HepG2 , HCT116

Predicted Target Size 27 kDa

Cellular Localization Membrane; Single-pass type II membrane protein

Conjugation Unconjugated

Form Supplied Liquid

Purification Purified by antigen-affinity chromatography.

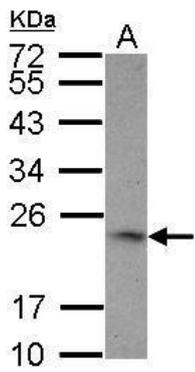
Concentration 1 mg/ml (Please refer to the vial label for the specific concentration)

Storage Buffer 0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.

Storage Instruction Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

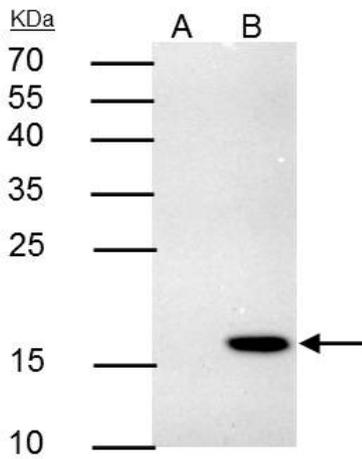
Notes For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

ResearchArea [Immunology](#) > [Cytokines and Chemokines](#) > [Cytokines](#)



GTX117355 WB Image

Sample (30 ug of whole cell lysate)
 A: HCT116
 12% SDS PAGE
 GTX17355 diluted at 1:1000



GTX117355 IP Image

TNFSF9 antibody [N2C3] immunoprecipitates TNFSF9 protein in IP experiments.
 IP samples: A549 membrane extract
 A. Control with 4 µg of preimmune Rabbit IgG
 B. Immunoprecipitation of TNFSF9 protein by 4 µg TNFSF9 antibody [N2C3] (GTX117355)
 15 % SDS-PAGE
 The immunoprecipitated TNFSF9 protein was detected by TNFSF9 antibody [N2C3] (GTX117355) diluted at 1:500.
 [EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent]