

For Research Use Only

TNFRSF21 Monoclonal antibody

Catalog Number: 66754-1-Ig **1 Publications**



Basic Information

Catalog Number: 66754-1-Ig	GenBank Accession Number: BC021572	Purification Method: Protein G purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 27242	CloneNo.: 3C2D10
Source: Mouse	UNIPROT ID: O75509	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: tumor necrosis factor receptor superfamily, member 21	
Immunogen Catalog Number: AG14327	Calculated MW: 655 aa, 72 kDa	
	Observed MW: 69 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : K-562 cells, THP-1 cells, Jurkat cells, Raji cells, Daudi cells
Species Specificity: human	IF/ICC : HepG2 cells,
Cited Species: human	

Background Information

TNFRSF21 (also known as DR6 or CD358) is an orphan receptor of the tumor necrosis factor (TNF) receptor superfamily. It controls cell death and differentiation in a cell-autonomous manner in different cell types including neurons, oligodendrocytes, endothelial cells, and immune cells (PMID: 29459438). DR6 has been shown to activate NF- κ B and JNK, and induce cell apoptosis (PMID: 9714541). DR6 interacts with TRADD, which is known to mediate signal transduction of TNF receptors. It has been reported that APP binds DR6 to trigger axon pruning and neuron death via distinct caspases, indicating that DR6 might be involved in Alzheimer's disease (PMID: 19225519).

Notable Publications

Author	Pubmed ID	Journal	Application
Hai Bi	37658042	Cell Death Discov	WB

Storage

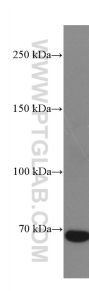
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

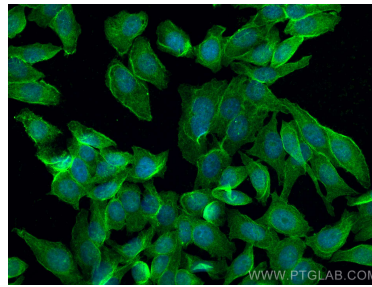
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 66754-1-Ig (DR6 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DR6 antibody (66754-1-Ig, Clone: 3C2D10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).