

TNFSF18 Polyclonal Antibody

Catalog No: #42693

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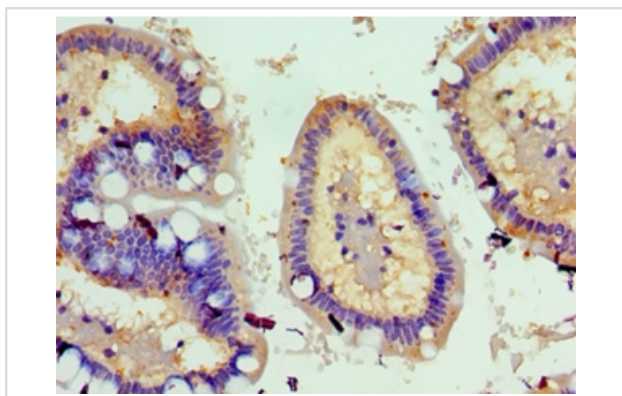
Description

Product Name	TNFSF18 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total TNFSF18 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Tumor necrosis factor ligand superfamily member 18 protein (72-199aa)
Target Name	TNFSF18
Other Names	Activation-inducible TNF-related ligand, AITRL, Glucocorticoid-induced TNF-related ligand, hGITRL, TNFSF18, AITRL, GITRL, TL6, UNQ149/PRO175
Accession No.	Swiss-Prot#: Q9UNG2
Uniprot	Q9UNG2
GeneID	8995;
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

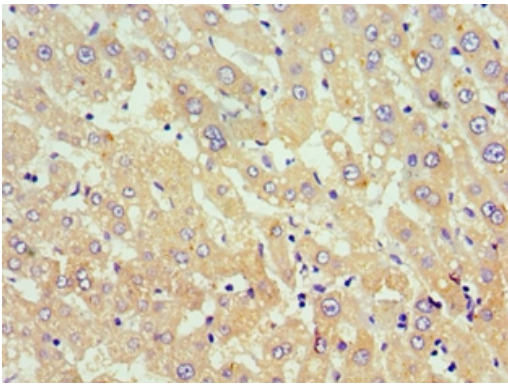
Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human small intestine using #42693 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human liver using #42693 at dilution of 1:100.

Background

Cytokine that binds to TNFRSF18/AITR/GITR. Regulates T-cell responses. Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B. Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1 (PubMed:23892569). Promotes leukocyte adhesion to endothelial cells (PubMed:23892569). Regulates migration of monocytes from the splenic reservoir to sites of inflammation.

References

- [1]"Assembly and structural properties of glucocorticoid-induced TNF receptor ligand: implications for function."Chattopadhyay K., Ramagopal U.A., Mukhopadhyaya A., Malashkevich V.N., Dilorenzo T.P., Brenowitz M., Nathenson S.G., Almo S.C.Proc. Natl. Acad. Sci. U.S.A. 104:19452-19457(2007). [2]"Glucocorticoid-induced tumor necrosis factor receptor family-related ligand triggering upregulates vascular cell adhesion molecule-1 and intercellular adhesion molecule-1 and promotes leukocyte adhesion."Lacal P.M., Petrillo M.G., Ruffini F., Muzi A., Bianchini R., Ronchetti S., Migliorati G., Riccardi C., Graziani G., Nocentini G.J. Pharmacol. Exp. Ther. 347:164-172(2013). [3]"Expression of human GITRL on myeloid dendritic cells enhances their immunostimulatory function but does not abrogate the suppressive effect of CD4+CD25+ regulatory T cells." Tuyaeerts S., Van Meirvenne S., Bonehill A., Heirman C., Corthals J., Waldmann H., Breckpot K., Thielemans K., Aerts J.L.J. Leukoc. Biol. 82:93-105(2007).

Note: This product is for in vitro research use only