

Basic Information

Product Name	Anti-GITR/TNFRSF18 Antibody
Gene Name	TNFRSF18
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human TNFRSF18 recombinant protein (Position: L178-V241). Human TNFRSF18 shares 76.2% amino acid (aa) sequence identity with mouse TNFRSF18.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	26,34 kDa
Dilution Ratios	Western blot (WB):1:500-2000

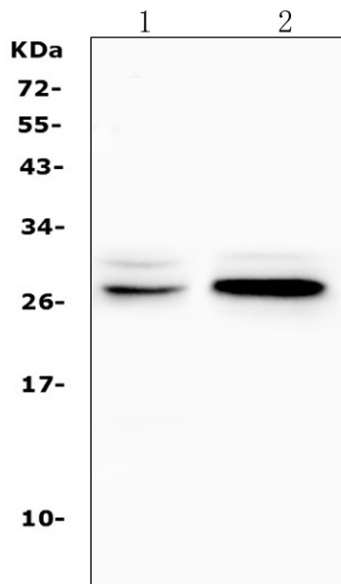
Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), also called GITR or AITR is a protein that in humans is encoded by the TNFRSF18 gene. It is mapped to 1p36.33. This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Selected Validation Data



Western blot analysis of GITR/TNFRSF18 using anti-GITR/TNFRSF18 antibody (A03125-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat kidney tissue lysates,

Lane 2: mouse kidney tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GITR/TNFRSF18 antigen affinity purified polyclonal antibody (A03125-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GITR/TNFRSF18 at approximately 26,34 kDa. The expected band size for GITR/TNFRSF18 is at 26 kDa.