

## CD357 polyclonal antibody

Catalog: NCP0306P

Host: Rabbit

Reactivity: Human

### BackGround:

TNFRSF18, also known as glucocorticoid-induced tumor necrosis factor-receptor (TNFR)-related protein (GITR) and activation-inducible TNFR family receptor, encodes a type 1 membrane protein of the TNF-receptor superfamily. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. GITR is an immune cell co-stimulatory receptor expressed constitutively at high levels on CD4+CD25+ T regulatory cells (Tregs), at low levels on naïve and memory T cells, and is induced upon T cell activation. Studies show GITR can also be induced on NK cells, macrophages, and DCs. Although GITR does not have intrinsic enzymatic activity, TNFSF18 (also known as GITRL) expressed on antigen presenting cells binds to GITR, resulting in recruitment of TNFR-associated factor family members and activation of the NF- $\kappa$ B pathway in T cells. GITR ligation has been shown to play a role in CD8+ T cell activation, cytotoxicity, and memory T cell survival. In the thymus, GITR is thought to play a key role in dominant immunological self-tolerance through thymic Treg differentiation and expansion. Of note, GITR ligation inhibits Treg suppressive function and promotes effector T cell resistance to Treg suppression. Due to the combined effects on both Treg suppression and effector cell activation, GITR represents a unique opportunity for immunotherapeutic intervention in cancer.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 24 kDa

### Swiss-Prot:

Q9Y5U5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:5000~1:10000

IF 1:50~1:200

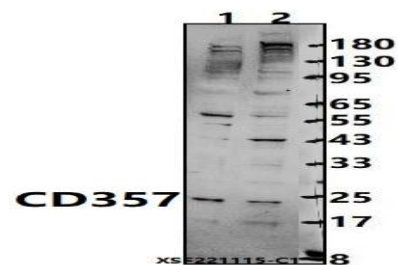
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CD357 polyclonal antibody detects endogenous levels of CD357 protein.

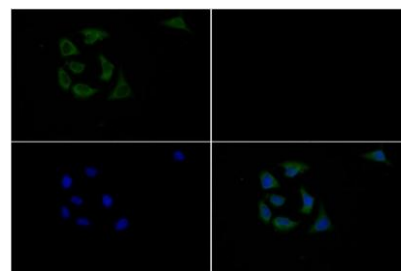
### DATA:



Western blot (WB) analysis of CD357 polyclonal antibody at 1:6000 dilution

Lane1:A549 whole cell lysate(30ug)

Lane2:SGC7901 whole cell lysate(30ug)



Immunofluorescence analysis of A549 cells using CD357 pAb at dilution of 1:200.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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