IL2RB Antibody

Catalog No: #36318

Description

Product Name	IL2RB Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total IL2RB protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human interleukin 2 receptor, beta
Target Name	IL2RB
Other Names	CD122; IL15RB; P70-75
Accession No.	Swiss-Prot#: P14784NCBI Gene ID: 3560Gene Accssion: BC025691
Uniprot	P14784
GeneID	3560;
SDS-PAGE MW	61kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100
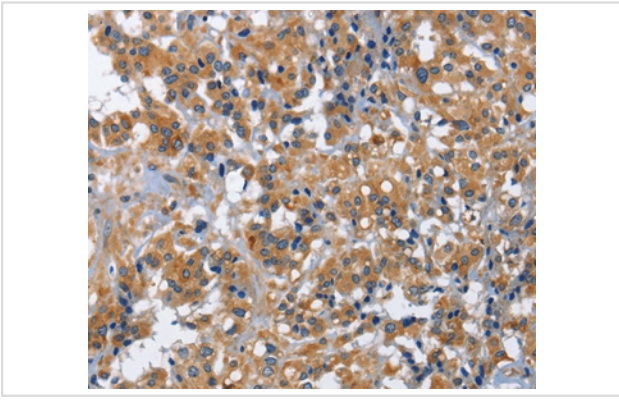
Images
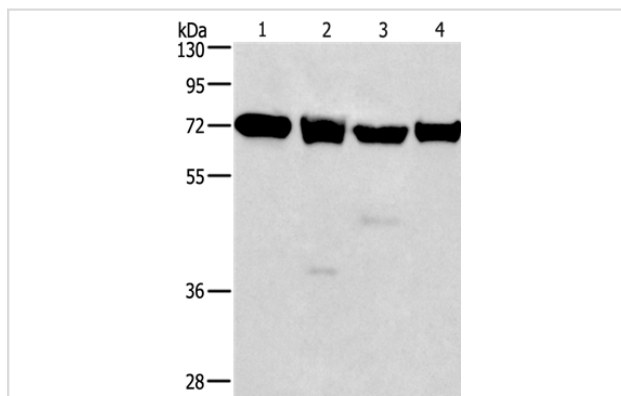
Gel: 10%SDS-PAGE
Lysates (from left to right): 231, 293T, Raji and hela cell
Amount of lysate: 40ug per lane
Primary antibody: 1/325 dilution
Secondary antibody dilution: 1/8000
Exposure time: 20 seconds

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36318 at dilution 1/30.

Background

The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein.

Note: This product is for in vitro research use only