

IL13RA2 Polyclonal Antibody

Catalog number: 11059-1-AP

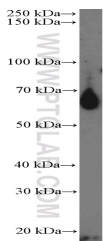
Size: 40 µg/150 µl

Source: Rabbit

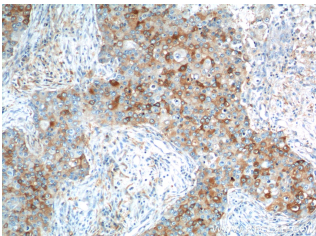
Isotype: IgG

Synonyms:

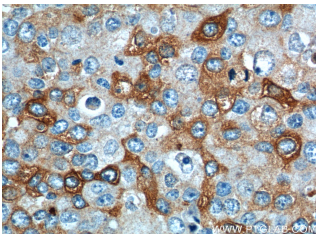
IL13RA2; CD213A2, CT19, IL 13 receptor subunit alpha 2, IL 13R, IL 13R alpha 2, IL 13R subunit alpha 2, IL 13RA2, IL13BP, IL13R, IL13RA2, IL13Ralpha2, Interleukin 13 binding protein



rat thymus tissue were subjected to SDS PAGE followed by western blot with 11059-1-AP(IL13RA2,CD213A2 Antibody) at dilution of 1:300



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 11059-1-AP(IL13RA2,CD213A2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 11059-1-AP(IL13RA2,CD213A2 Antibody) at dilution of 1:200 (under 40x lens).

Background

IL13RA2, also named as IL13R and CD213a2, belongs to the type I cytokine receptor family. It binds as a monomer with high affinity to interleukin-13 (IL13), but not to interleukin-4 (IL4). IL13RA2 lacks the cytoplasmic domain for signaling, indicating that it acts as a decoy receptor. IL13RA2 gene polymorphisms have been associated with systemic sclerosis (PMID: 16981293). Overexpression of IL13RA2 gene has been reported in several types of cancer, including melanoma, lung cancer, and brain tumor, which makes it a potential immunotherapeutic target (PMID: 19895199; 24970476; 24021875).

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated IL13RA2 MW:	380aa, 44 kDa
Observed IL13RA2 MW:	65 kDa
Positive WB detected in	Rat thymus tissue, HeLa cells, rat liver tissue
Positive IHC detected in	Human breast cancer tissue, human brain tissue, human gliomas tissue, human ovary tumor tissue
Recommended dilution:	WB: 1:200-1:1000 IHC: 1:50-1:500

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1534
GenBank accession number:	BC020739
Gene ID (NCBI):	3598
Full name:	Interleukin 13 receptor, alpha 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.