

For Research Use Only

IL-13RA2 Polyclonal antibody

Catalog Number: 11059-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 11059-1-AP	GenBank Accession Number: BC020739	Purification Method: Antigen affinity purification
Concentration: 600 ug/ml	GeneID (NCBI): 3598	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q14627	
Isotype: IgG	Full Name: interleukin 13 receptor, alpha 2	
Immunogen Catalog Number: AG1534	Calculated MW: 380 aa, 44 kDa	
	Observed MW: 55-70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : A375 cells, IHC : human breast cancer tissue, human brain tissue, human gliomas tissue, human liver cancer tissue, human ovary tumor tissue
Cited Applications: WB, IHC, IF, IP	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Feng	34652890	Cancer Biol Med	WB,IF,IP
Taichi Ishikawa	34039830	J Oral Sci	IF
Xiaoqi Wang	35367277	J Control Release	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

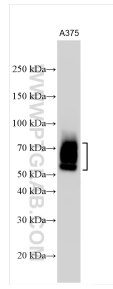
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E: Proteintech-CN@ptglab.com

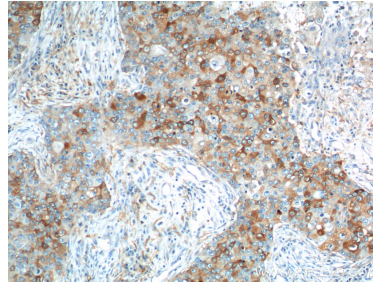
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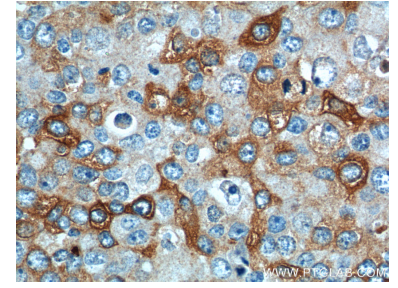
Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 11059-1-AP (IL-13RA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11059-1-AP (IL13RA2 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11059-1-AP (IL13RA2 antibody at dilution of 1:200 (under 40x lens).