

For Research Use Only

# IL-13RA2 Polyclonal antibody

Catalog Number: 11059-1-AP

Featured Product

12 Publications



## Basic Information

<b>Catalog Number:</b> 11059-1-AP	<b>GenBank Accession Number:</b> BC020739	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3598	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> interleukin 13 receptor, alpha 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 380 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG1534	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>WB :</b> HepG2 cells, HeLa cells, rat thymus tissue, rat liver tissue, mouse testis tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human breast cancer tissue, human brain tissue, human gliomas tissue, human liver cancer tissue, human ovary tumor tissue
<b>Cited Species:</b> human, rat, mouse	

**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

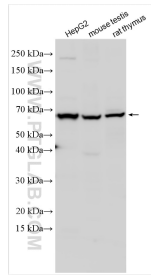
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

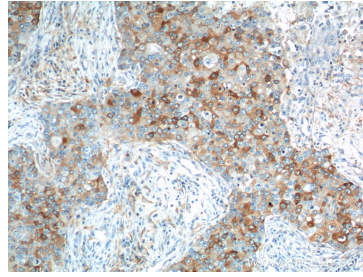
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

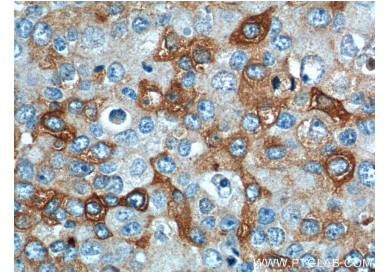
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11059-1-AP (IL-13RA2 antibody) at dilution of 1:800 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).