

IL-11RA Polyclonal antibody

Catalog Number: 10264-1-AP

2 Publications

Basic Information

Catalog Number:

10264-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0373

GenBank Accession Number:

BC003110

GeneID (NCBI):

3590

UNIPROT ID:

Q14626

Full Name:

interleukin 11 receptor, alpha

Calculated MW:

45 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse colon tissue,

IHC : human prostate cancer tissue, mouse colon tissue

IF/ICC : N2a cells,

Background Information

Interleukin-11 (IL-11), a member of the IL-6 family of cytokines, was firstly identified in bone marrow-derived stromal cells (PMID: 2145578). IL-11 is a multifunctional cytokine that plays important roles in hematopoiesis, bone development, tissue repair, and tumor development (PMID: 33863879). IL-10 signals through a receptor complex consisting of IL-11 receptor alpha subunit (IL-11RA) and gp130. IL-11RA binds IL-11 and gp130 transmits signals to the nucleus via Janus kinase (JAK) activation. In addition to a membrane-bound form, IL-11RA can also exist as a soluble form (sIL-11RA) that acts as an agonist of IL-11 activity (PMID: 26876177; 27493449).

Notable Publications

Author	Pubmed ID	Journal	Application
Masue M Marbiah	24843046	EMBO J	IF
Chenshuang Zhang	37490628	ACS Nano	WB

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

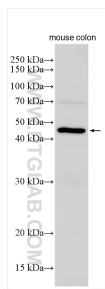
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

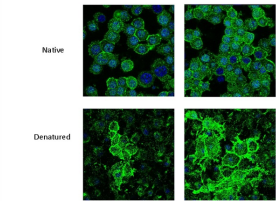
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

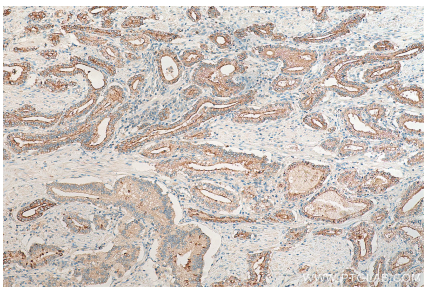


Mouse colon tissue was subjected to SDS PAGE followed by western blot with 10264-1-AP (IL-11RA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

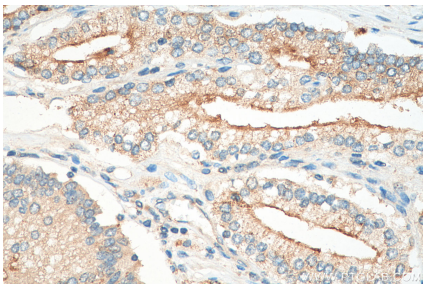
N2a neuroblastoma cells fixed under native (4% PFA- Triton X 100) or denaturing (4% PFA + Guanidine thiocyanate) conditions. Labelled with Anti-IL11ra (Protein tech #10264-1-AP)



IF result of anti-IL11RA (10264-1-AP, 1:200) with N2a cells (4%PFA fixed) by Miss Masue Marbiah, PhD student MRC Prion Unit, Department of Neurodegenerative Diseases, UCL Institute of Neurology.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10264-1-AP (IL-11RA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10264-1-AP (IL-11RA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).