

For Research Use Only

CD126/IL-6R alpha Polyclonal antibody, PBS Only



Catalog Number: 23457-1-PBS

Featured Product

Basic Information

Catalog Number:

23457-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18263

GenBank Accession Number:

BC132684

GeneID (NCBI):

3570

UNIPROT ID:

P08887

Full Name:

interleukin 6 receptor

Calculated MW:

468 aa, 52 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Interleukin-6 (IL-6) is a pleiotropic cytokine produced by a variety of cells during infection, trauma, and immunological challenge (PMID: 8274730). IL-6 acts via a receptor complex consisting of two distinct membrane-bound glycoproteins, an 80-kDa IL-6-binding subunit (IL-6R alpha, CD126, gp80) and a 130-kDa signal-transducing element (gp130, CD130). After binding of IL-6 to membrane-bound IL-6R alpha, the complex of IL-6 and IL-6R alpha associates with gp130, thus activating the receptor (PMID: 9716487). Expression of gp130 is found in almost all organs while expression of IL-6R alpha is predominantly confined to hepatocytes and leukocyte subpopulations (monocytes, neutrophils, T cells, and B cells) (PMID: 11149892). Soluble form of IL-6R alpha has been found in human serum and urine (PMID: 2529343; 1545125).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

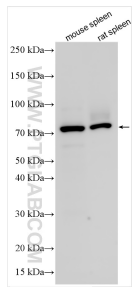
T: 4006900926

E: Proteintech-CN@ptglab.com

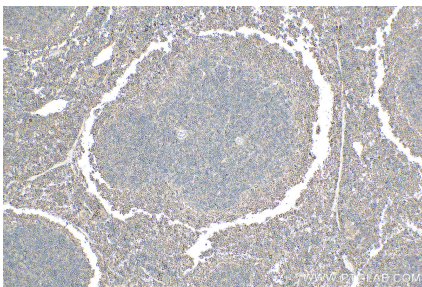
W: ptgcn.com

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

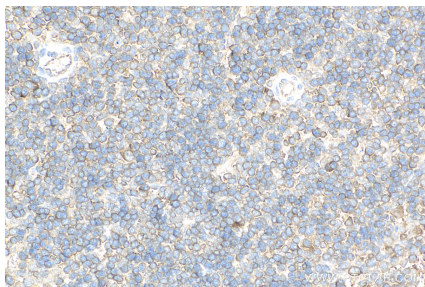
Selected Validation Data



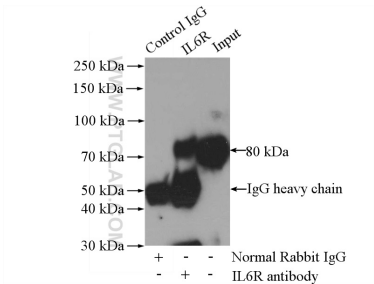
Various lysates were subjected to SDS PAGE followed by western blot with 23457-1-AP (CD126/IL-6R alpha antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 23457-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 23457-1-AP (CD126/IL-6R alpha antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23457-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 23457-1-AP (CD126/IL-6R alpha antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23457-1-PBS in a different storage buffer formulation.



IP result of anti-IL-6R alpha (IP:23457-1-AP, 4ug; Detection:23457-1-AP 1:500) with mouse spleen tissue lysate 4000ug. This data was developed using the same antibody clone with 23457-1-PBS in a different storage buffer formulation.