

## **Anti-CD126 Antibody**

Rabbit polyclonal antibody to CD126 Catalog # AP60858

### **Specification**

## **Anti-CD126 Antibody - Product Information**

Application WB
Primary Accession P08887

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 51548

## **Anti-CD126 Antibody - Additional Information**

**Gene ID 3570** 

#### **Other Names**

Interleukin-6 receptor subunit alpha; IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; IL-6R 1; Membrane glycoprotein 80; gp80; CD126

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD126. The exact sequence is proprietary.

#### **Dilution**

WB~~WB (1/500 - 1/2000)

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

### **Anti-CD126 Antibody - Protein Information**

Name IL6R (HGNC:6019)

#### **Function**

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal (PubMed:<a href="http://www.uniprot.org/citations/28265003" target="\_blank">28265003</a>). Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response, acute-phase reactions and hematopoiesis (PubMed:<a href="http://www.uniprot.org/citations/30995492" target="\_blank">30995492</a>, PubMed:<a href="http://www.uniprot.org/citations/31235509" target="\_blank">31235509</a>). The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling', the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some



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cells of the immune system. Whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans- signaling'. Alternatively, 'cluster signaling' occurs when membrane- bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).

#### **Cellular Location**

[Isoform 1]: Cell membrane {ECO:0000250|UniProtKB:P22272}; Single-pass type I membrane protein [Soluble interleukin-6 receptor subunit alpha]: Secreted

#### **Tissue Location**

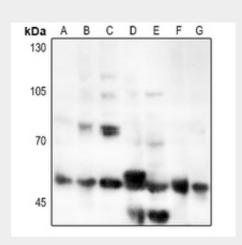
[Isoform 2]: Expressed in peripheral blood mononuclear cells and weakly found in urine and serum. 1%-20% of the total sIL6R in plasma is generated by alternative splicing (PubMed:28060820).

## **Anti-CD126 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-CD126 Antibody - Images



Western blot analysis of CD126 expression in HEK293T (A), Hela (B), HGC27 (C), mouse liver (D), mouse lung (E), rat liver (F), rat lung (G) whole cell lysates.

# Anti-CD126 Antibody - Background

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