

**Anti-CD126 Antibody**  
**Rabbit polyclonal antibody to CD126**  
**Catalog # AP60858****Specification**

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**Anti-CD126 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P08887</a> |
| 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**

Recognizes endogenous levels of CD126 protein.

**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 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**

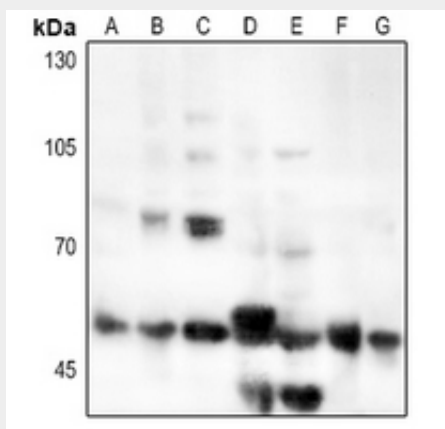
[Isoform 2]: Expressed in peripheral blood mononuclear cells and weakly found in urine and serum. 1%-20% of the total sIL6R in plasma is generated by alternative splicing (PubMed:28060820).

### **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 Cytometry](#)
- [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**

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