

**Anti-CD125 Antibody**  
**Rabbit polyclonal antibody to CD125**  
**Catalog # AP61361****Specification**

---

**Anti-CD125 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q01344</a>
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47685

**Anti-CD125 Antibody - Additional Information****Gene ID** 3568**Other Names**

IL5R; Interleukin-5 receptor subunit alpha; IL-5 receptor subunit alpha; IL-5R subunit alpha; IL-5R-alpha; IL-5RA; CDw125; CD125

**Target/Specificity**

Recognizes endogenous levels of CD125 protein.

**Dilution**WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)  
IHC~~1:100~500**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-CD125 Antibody - Protein Information****Name** IL5RA**Synonyms** IL5R**Function**

Cell surface receptor that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed: [9378992](http://www.uniprot.org/citations/9378992)). Acts by forming a heterodimeric receptor with CSF2RB subunit and subsequently binding to interleukin-5 (PubMed: [1495999](http://www.uniprot.org/citations/1495999), PubMed: [22528658](http://www.uniprot.org/citations/22528658)). In

unstimulated conditions, interacts constitutively with JAK2. Heterodimeric receptor activation leads to JAK2 stimulation and subsequent activation of the JAK-STAT pathway (PubMed:<a href="http://www.uniprot.org/citations/9516124" target="\_blank">9516124</a>).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

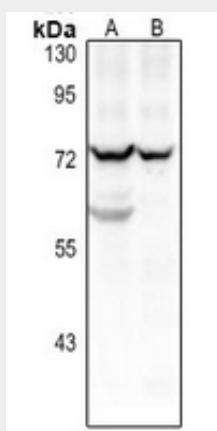
**Tissue Location**

Expressed on eosinophils and basophils.

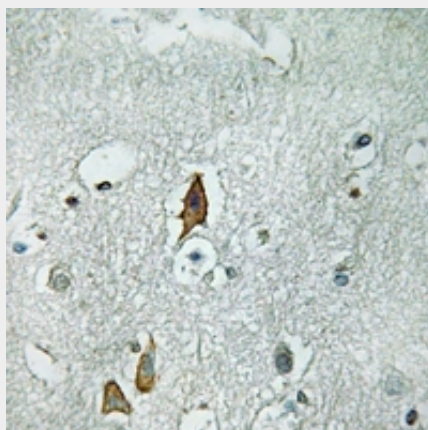
**Anti-CD125 Antibody - Protocols**

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-CD125 Antibody - Images**

Western blot analysis of CD125 expression in A2780 (A), A549 (B) whole cell lysates.



Immunohistochemical analysis of CD125 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**Anti-CD125 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD125. The exact sequence is proprietary.