

Anti-CD123 Antibody
Rabbit polyclonal antibody to CD123
Catalog # AP60150

Specification

Anti-CD123 Antibody - Product Information

Application	WB
Primary Accession	P26951
Other Accession	P26952
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43330

Anti-CD123 Antibody - Additional Information

Gene ID 3563

Other Names

IL3R; Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA; CD123

Target/Specificity

Recognizes endogenous levels of CD123 protein.

Dilution

WB~~WB (1/500 - 1/1000)

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-CD123 Antibody - Protein Information

Name IL3RA ([HGNC:6012](#))

Synonyms IL3R

Function

Cell surface receptor for IL3 expressed on hematopoietic progenitor cells, monocytes and B-lymphocytes that controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells (PubMed: <http://www.uniprot.org/citations/10527461> target="_blank">10527461). Ligand stimulation rapidly induces heterodimerization with IL3RB, phosphorylation and enzyme activity of effector proteins such as JAK2 and PI3K that play a role in signaling cell proliferation and differentiation. Activation of JAK2 leads to STAT5-mediated

transcriptional program (By similarity).

Cellular Location

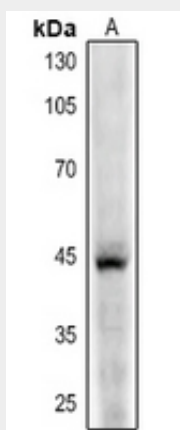
Membrane; Single-pass type I membrane protein.

Anti-CD123 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-CD123 Antibody - Images



Western blot analysis of CD123 expression in HeLa (A) whole cell lysates.

Anti-CD123 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD123. The exact sequence is proprietary.