

**Anti-CD124 (pY497) Antibody**  
**Rabbit polyclonal antibody to CD124 (pY497)**  
**Catalog # AP61168**

## Specification

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### Anti-CD124 (pY497) Antibody - Product Information

Application	<b>WB, IF</b>
Primary Accession	<a href="#">P24394</a>
Other Accession	<a href="#">P16382</a>
Reactivity	<b>Human, Mouse, Rat, Pig</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>89658</b>

### Anti-CD124 (pY497) Antibody - Additional Information

**Gene ID** 3566

#### Other Names

IL4RA; Interleukin-4 receptor subunit alpha; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; CD124

#### Target/Specificity

Recognizes endogenous levels of CD124 (pY497) protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)

#### 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-CD124 (pY497) Antibody - Protein Information

**Name** IL4R

**Synonyms** IL4RA

#### Function

Receptor for both interleukin 4 and interleukin 13 (PubMed:<a href="http://www.uniprot.org/citations/17030238" target="\_blank">17030238</a>). Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of

insulin receptor substrates, IRS1/IRS2.

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

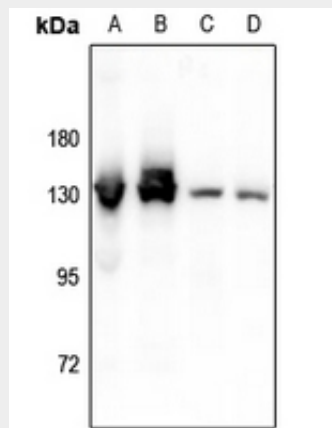
Isoform 1 and isoform 2 are highly expressed in activated T-cells

### Anti-CD124 (pY497) Antibody - Protocols

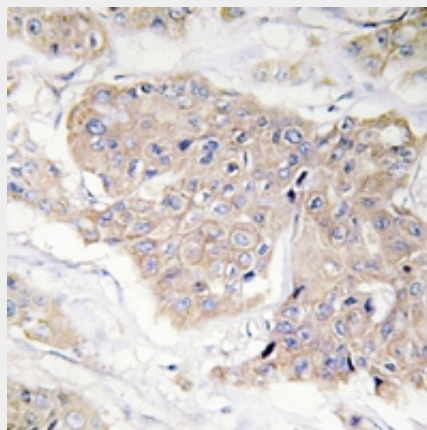
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

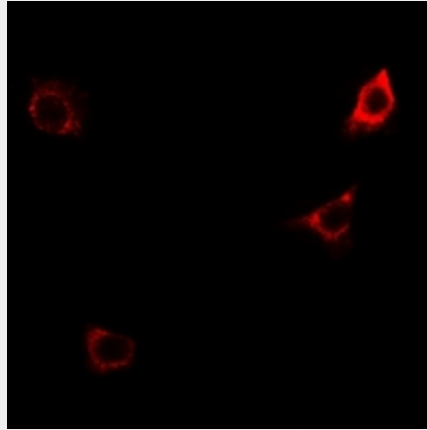
### Anti-CD124 (pY497) Antibody - Images



Western blot analysis of CD124 (pY497) expression in Myla2059 (A), SGC7901 (B), mouse testis (C), rat testis (D) whole cell lysates.



Immunohistochemical analysis of CD124 (pY497) staining in human breast cancer 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.



Immunofluorescent analysis of CD124 (pY497) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-CD124 (pY497) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD124 (pY497). The exact sequence is proprietary.