

Anti-CD124 (pY497) Antibody

Rabbit polyclonal antibody to CD124 (pY497)

Catalog # AP61168

Product Information

Application	WB, IF/IC, IHC
Primary Accession	P24394
Other Accession	P16382
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89658

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), IHC (1/50 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (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

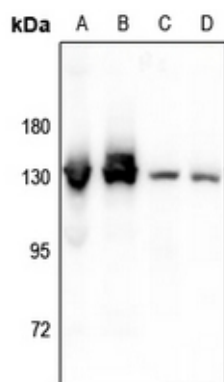
Protein Information

Name	IL4R
Synonyms	IL4RA
Function	Receptor for both interleukin 4 and interleukin 13 (PubMed: 17030238). 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

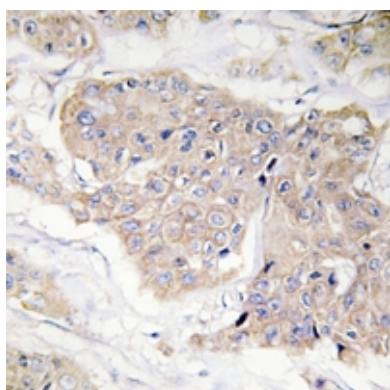
Background

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

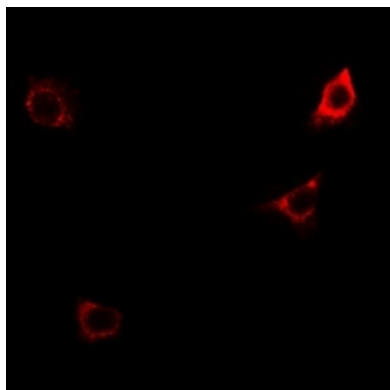
Images



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.

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