10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD127 (Phospho-Y449) Antibody

Catalog # AP61169

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P16871
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51579

Additional Information

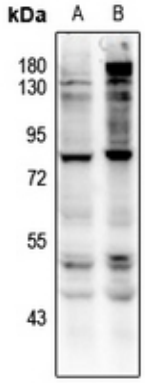
Gene ID	3575
Other Names	Interleukin-7 receptor subunit alpha; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; CDw127; CD127
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y449 of human CD127 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

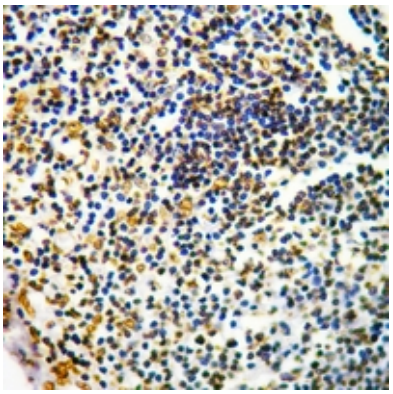
Protein Information

Name	IL7R
Function	Receptor for interleukin-7. Also acts as a receptor for thymic stromal lymphopoietin (TSLP).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 4]: Secreted.

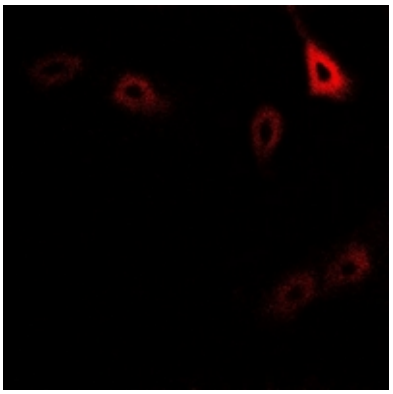
Images

Western blot analysis of CD127 (Phospho-Y449) expression in HCT116 (A), HEK293T (B) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 75 kD)

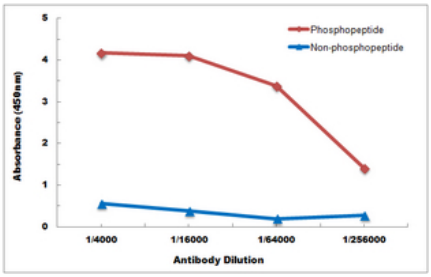




Immunohistochemical analysis of CD127 (Phospho-Y449) staining in human tonsil cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature 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 CD127 (Phospho-Y449) staining in HuvEc 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 hidified 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.



Direct ELISA antibody dose-response curve using Anti-CD127 (Phospho-Y449) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.