Anti-CD127 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015912

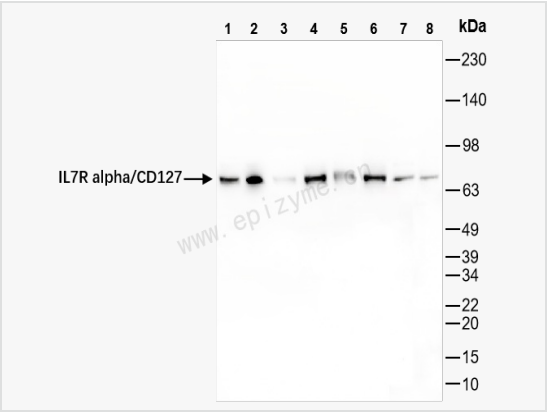
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	70N09N49
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IL7R alpha/CD127
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CD127 Rabbit mAb [70N09N49] is for research use only and not for use in diagnostic or therapeutic procedures.

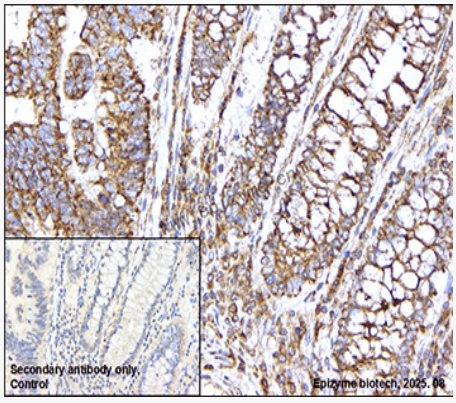
Protein Information

Synonyms	CD127; Interleukin-7 receptor subunit alpha; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; CDw127; IL7R.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 75 kDa
Uniprot ID	P16871
Gene ID	3575
Background	The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found. [provided by RefSeq, Dec 2015]
Cellular Location	Isoform 1.Cell membrane.Single-pass type I membrane protein.Isoform 3.Cell membrane.Single-pass type I membrane protein.Isoform 4.Secreted.

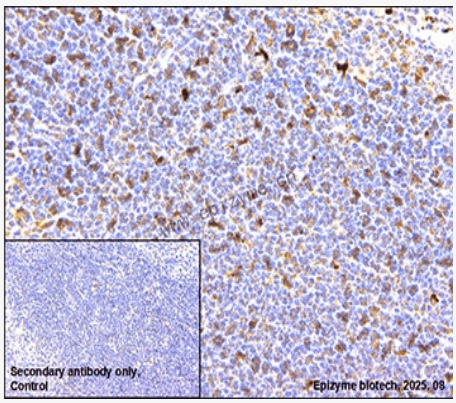
Validation Images



Western Blot - Anti-CD127 Rabbit mAb [70N09N49]
All lanes: R015912 at 1:1,000 dilution
Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 3: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 5: Mouse liver whole tissue lysates
Lane 6: Mouse liver whole tissue lysates (LPS stimulated)
Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 8: Rat liver whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 52 kDa
Observed band size: 75 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CD127 Rabbit mAb [70N09N49]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015912 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-CD127 Rabbit mAb [70N09N49]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse spleen tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015912 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.