Rabbit IL7R / CD127 Polyclonal Antibody | anti-IL7R antibody

Rabbit Polyclonal to Mouse IL7R / CD127

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50906	**Rabbit**	**Human, Mouse, RatPredicted Reactivity: Mouse, Rat**	**ELISA, Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

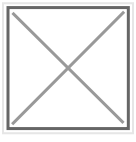
IL7R / CD127; Polyclonal Antibody; Rabbit Polyclonal to Mouse IL7R / CD127; Anti-IL7R / CD127 Antibody (C-Terminus) IHC-plus; IL7R; CD127; CD127 antigen; IL-7RA; IL-7 receptor subunit alpha; IL7RA; ILRA; Interleukin 7 receptor; CDW127; IL-7R subunit alpha; IL-7R-alpha; Mouse IL7R; anti-IL7R antibody

PRODUCT SPECIFICATIONS

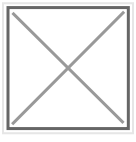
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is specific for mouse IL-7 receptor protein. A BLAST analysis was used to suggest cross-reactivity with IL-7 receptor protein from human, mouse and rat sources based on 100% homology with the immunizing sequence. Cross-reactivity with IL-7 receptor protein from other sources has not been determined. Anti-IL-7 receptor alpha chain antibody is useful for researchers interested in Immunology Research.
Purity/Purification	Affinity Purified
Form/Format	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	459
Applicable Applications for anti-IL7R antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Mouse
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the carboxy terminus of mouse IL-7 receptor protein.
Antigen Type	Synthetic peptide
Immunogen Species	IL7R / CD127 antibody was raised against Human.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store vial at -20°C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20°C or below. Avoid freeze-thaw cycles. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid.

IMAGES



WB (Western Blot)
Dot Blot of Rabbit anti-IL-7 Receptor antibody. Antigen: IL-7 Receptor and IL-7 Receptor pY449 forms of the immunizing peptide and THRB1 and THRB1 pY171 as controls. Load: 3.0, 0.3, 0.1, 0.05 ug as indicated. Primary antibody: IL-7 Receptor antibody at 1:400 for 45 min at 4°C. Secondary antibody: Dylight488 rabbit secondary antibody at 1:10000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.



IHC (Immunohistochemistry)
Anti-IL-7 Receptor antibody IHC of human colon, MALT. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-IL7R antibody	Interleukin 7 Receptor (IL7R) is a receptor for interleukin 7 (IL7). The function of IL7R requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation.
Product Categories/Family for anti-IL7R antibody	Family: Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	28610151
NCBI GeneID	3575
NCBI Accession #	NP_002176.2
NCBI GenBank Nucleotide #	NM_002185.3
UniProt Accession #	P16871; Q05CU8; Q6NSP4; Q6NWM0; Q6NWM1; Q6NWM2; Q6NWM3; Q6SV45; Q9UPC1; B2RCS6; B4DVT1
NCBI Official Full Name	interleukin-7 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 7 receptor
NCBI Official Symbol	IL7R
NCBI Official Synonym Symbols	ILRA; CD127; IL7RA; CDW127; IL-7R-alpha
NCBI Protein Information	interleukin-7 receptor subunit alpha; IL-7RA; CD127 antigen; IL-7R subunit alpha; IL-7 receptor subunit alpha; interleukin 7 receptor alpha chain; interleukin 7 receptor isoform H5-6
UniProt Protein Name	Interleukin-7 receptor subunit alpha
UniProt Gene Name	**IL7R**
UniProt Synonym Gene Names	IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA
UniProt Entry Name	IL7RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/il7r-cd127-antibody-western-blot-immunohistochemistry-elisa/50906