abcam

Product datasheet

Anti-IL-2 Receptor alpha antibody [EPR22588-18] ab227834

Recombinant RabMAb

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Overview

Product name	Anti-IL-2 Receptor alpha antibody [EPR22588-18]
Description	Rabbit monoclonal [EPR22588-18] to IL-2 Receptor alpha
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P **Unsuitable for:** Flow Cyt,ICC/IF,IHC-Fr,IP or WB
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Mouse and rat spleen tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22588-18

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab227834 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt,ICC/IF,IHC-Fr,IP or WB.

Target

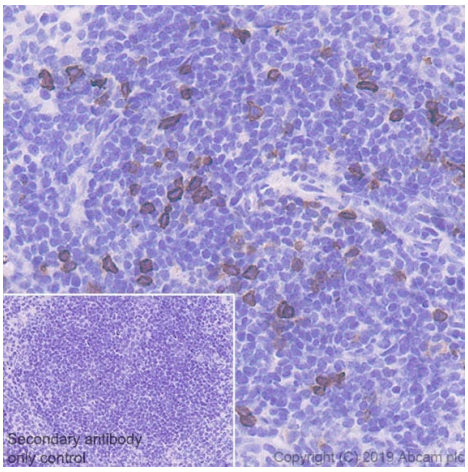
Function Receptor for interleukin-2.

Involvement in disease Genetic variations in IL2RA are associated with susceptibility to diabetes mellitus insulin-dependent type 10 (IDDM10) [MIM:601942]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical fetaures are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic diuresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels.

Sequence similarities Contains 2 Sushi (CCP/SCR) domains.

Cellular localization Membrane.

Images

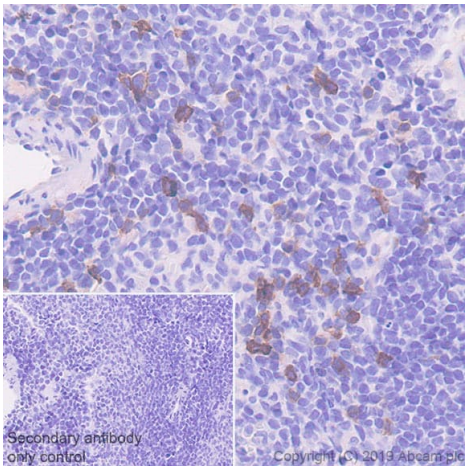


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-2 Receptor alpha antibody [EPR22588-18] (ab227834)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling IL-2 Receptor alpha with ab227834 at 1/500 dilution (1.26 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Membranous staining on T cells of mouse spleen (PMID:17056509) is observed. The section was incubated with ab227834 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-2 Receptor alpha antibody [EPR22588-18] (ab227834)

Immunohistochemical analysis of paraffin-embedded rat spleen tissue labeling IL-2 Receptor alpha with ab227834 at 1/500 dilution (1.26 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Membranous staining on T cells of rat spleen (PMID:17056509) is observed. The section was incubated with ab227834 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

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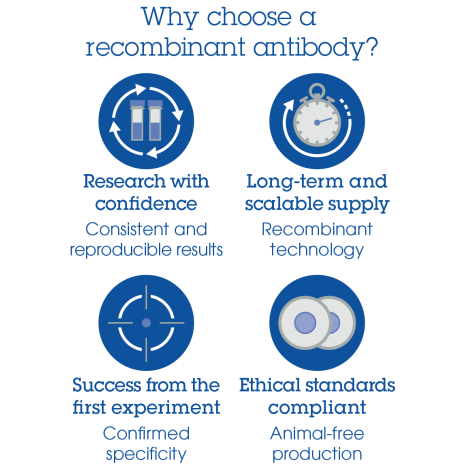

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