

Anti-IL-2RG antibody [EPR24694-133] ab273023

重组 RabMAb

5 图像

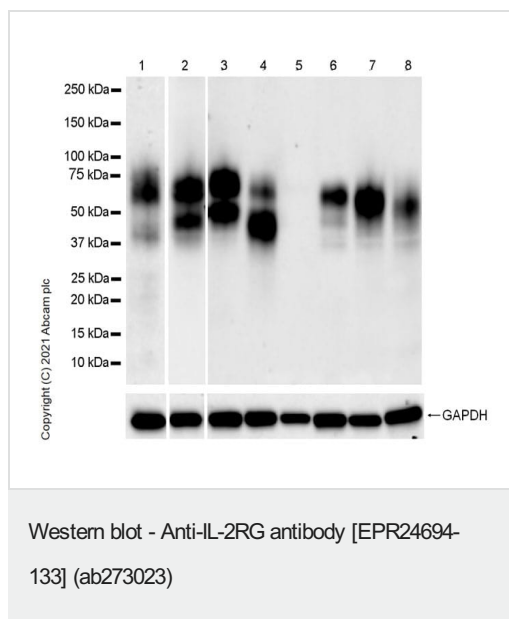
概述

产品名称	Anti-IL-2RG抗体[EPR24694-133]
描述	兔单克隆抗体[EPR24694-133] to IL-2RG
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human spleen, Human lymphoma, Daudi, Jurkat, RAW264.7 and Mouse spleen, Rat spleen lysates. IHC-P: Human colon, Human gastric cancer tissues. IP: Daudi cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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 .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR24694-133

同种型	IgG	
应用		
<div>The Abpromise guarantee</div> <div>Abpromise™承诺保证使用ab273023于以下的经测试应用</div> <div>“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。</div>		
应用	Ab评论	说明
WB		1/1000. Predicted molecular weight: 42 kDa.
IP		1/30.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
应用说明	Is unsuitable for Flow Cyt or ICC/IF.	
靶标		
功能	Common subunit for the receptors for a variety of interleukins.	
疾病相关	<p>Defects in IL2RG are the cause of severe combined immunodeficiency X-linked T-cell-negative/B-cell-positive/NK-cell-negative (XSCID) [MIM:300400]; also known as agammaglobulinemia Swiss type. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development.</p> <p>Defects in IL2RG are the cause of X-linked combined immunodeficiency (XCID) [MIM:312863]. XCID is a less severe form of X-linked immunodeficiency with a less severe degree of deficiency in cellular and humoral immunity than that seen in XSCID.</p>	
序列相似性	<p>Belongs to the type I cytokine receptor family. Type 5 subfamily.</p> <p>Contains 1 fibronectin type-III domain.</p>	
结构域	<p>The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.</p> <p>The box 1 motif is required for JAK interaction and/or activation.</p>	
细胞定位	Membrane.	
图片		



All lanes : Anti-IL-2RG antibody [EPR24694-133] (ab273023) at 1/1000 dilution

Lane 1 : Human spleen tissue lysate

Lane 2 : Human lymphoma tissue lysate

Lane 3 : Daudi (human Burkitts lymphoma lymphoblast), whole cell lysate

Lane 4 : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

Lane 5 : HT-29 (human colorectal adenocarcinoma epithelial cell), whole cell lysate

Lane 6 : RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage), whole cell lysate

Lane 7 : Mouse spleen tissue lysate

Lane 8 : Rat spleen tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

Lanes 1-2 : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Lanes 3-8 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 42 kDa

Observed band size: 50-70 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

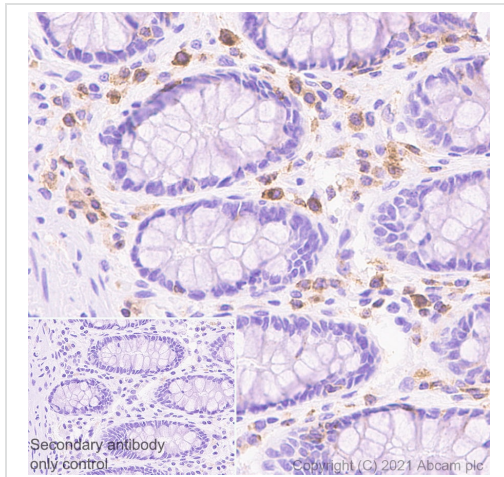
The molecular weight observed is consistent with what has been described in the literature (PMID: 11418669 and PMID: 19329337).

The 50kDa-70kDa bands correspond to the mature form and immature form.

Negative control: HT-29 (PMID: 8530527).

Exposure time: Lane 1: 3 minutes Lane 2: 15 seconds Lanes 3-8:

48 seconds

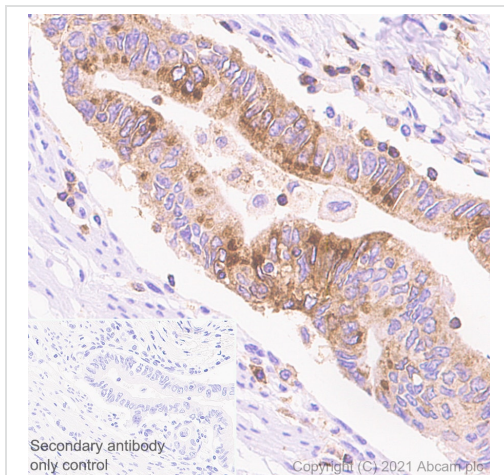


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-2RG antibody [EPR24694-133] (ab273023)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling IL-2RG with ab273023 at 1/500 (1.126 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in lamina propria of human colon. The section was incubated with ab273023 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins

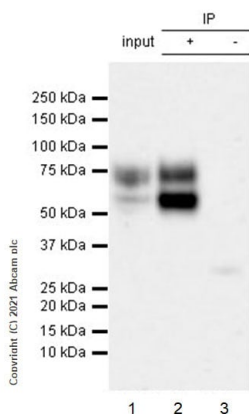


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-2RG antibody [EPR24694-133] (ab273023)

Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue labelling IL-2RG with ab273023 at 1/500 (1.126 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human gastric cancer. The section was incubated with ab273023 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Immunoprecipitation - Anti-IL-2RG antibody
[EPR24694-133] (ab273023)

IL-2RG was immunoprecipitated from 0.35 mg Daudi (human Burkitt's lymphoma lymphoblast), whole cell lysate 10ug with ab273023 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab273023 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1: Daudi (human Burkitt's lymphoma lymphoblast), whole cell lysate 10ug

Lane 2: ab273023 IP in Daudi whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab273023 in Daudi whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 75 seconds

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-IL-2RG antibody [EPR24694-133] (ab273023)

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