

Rabbit anti-Human IL2RG Polyclonal Antibody | anti-IL2RG antibody

IL2RG Antibody (N-term)

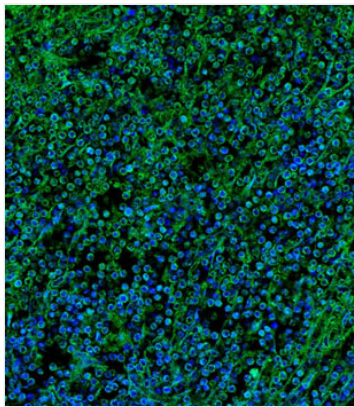
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289777	Rabbit	Human	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

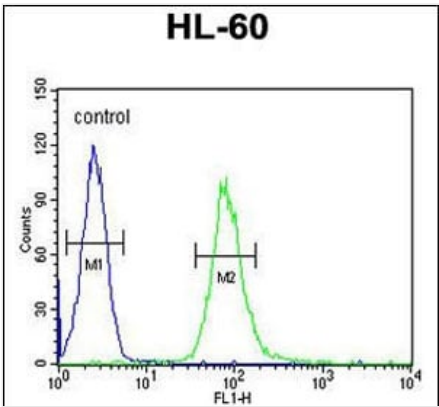
IL2RG; Polyclonal Antibody; IL2RG Antibody (N-term); Cytokine receptor common subunit gamma; Interleukin-2 receptor subunit gamma; IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG; gammaC; p64; CD132; anti-IL2RG antibody

PRODUCT SPECIFICATIONS

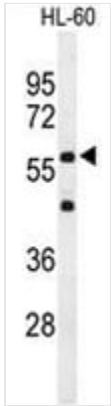
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IL2RG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-101 amino acids from the N-terminal region of human IL2RG.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	76-101
Sequence Length	369
Applicable Applications for anti-IL2RG antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	Common subunit for the receptors for a variety of interleukins. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell surface
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



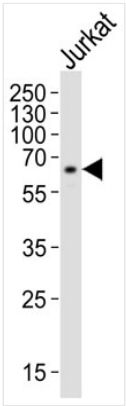
IF (Immunofluorescence)
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized human spleen tissue labeling IL2RG with AAA289777 at 1/25 dilution, followed by AlexaFluor488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/400 dilution (green). Confocal image showing membrane staining on human spleen tissue. The nuclear counter stain is DAPI (blue).



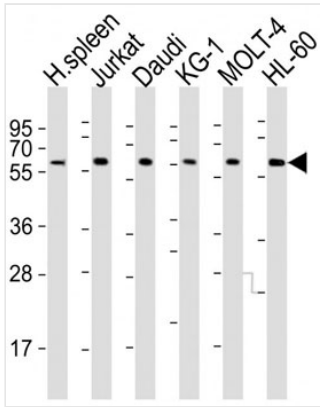
FCM/FACS (Flow Cytometry)
IL2RG Antibody (N-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of IL2RG Antibody (N-term) in HL-60 cell line lysates (35ug/lane). IL2RG (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysate from Jurkat cell line, using IL2RG Antibody (N-term). AAA289777 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



WB (Western Blot)
All lanes : Anti-IL2RG Antibody (N-term) at 1:2000 dilution
Lane 1: human spleen lysates
Lane 2: Jurkat whole cell lysates
Lane 3: Daudi whole cell lysates
Lane 4: KG-1 whole cell lysates
Lane 5: MOLT-4 whole cell lysates
Lane 6: HL-60 whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 42 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IL2RG antibody	IL2RG is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in this gene cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder.
Product Categories/Family for anti-IL2RG antibody	Cancer; Immunology; Signal Transduction
References	Ross, J.A., et al. J. Biol. Chem. 285(6):3582-3591(2010) Ameratunga, R., et al. N. Z. Med. J. 122(1304):46-53(2009) Clark, P.A., et al. Hum. Genet. 96(4):427-432(1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557882
NCBI GeneID	3561
NCBI Accession #	NP_000197.1
NCBI GenBank Nucleotide #	NM_000206.2
UniProt Accession #	P31785; Q5FC12
Molecular Weight	42287
NCBI Official Full Name	cytokine receptor common subunit gamma
NCBI Official Synonym Full Names	interleukin 2 receptor, gamma
NCBI Official Symbol	IL2RG
NCBI Official Synonym Symbols	P64; CIDX; IMD4; CD132; SCIDX; IL-2RG; SCIDX1
NCBI Protein Information	cytokine receptor common subunit gamma
UniProt Protein Name	Cytokine receptor common subunit gamma
UniProt Gene Name	IL2RG
UniProt Synonym Gene Names	IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG
UniProt Entry Name	IL2RG_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://www.aaabiotech.com/polyclonal/il2rg-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/289777>