

Rabbit IL-13Ralpha1 Polyclonal Antibody | anti-IL13RA1 antibody

IL-13Ralpha1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322545	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

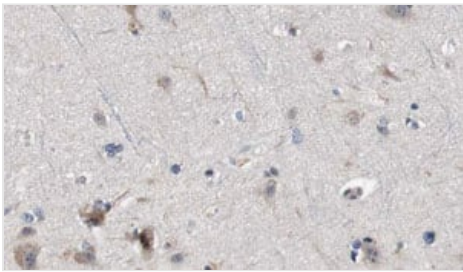
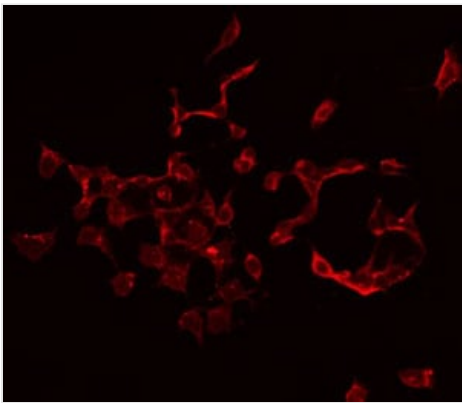
PRODUCT SYNONYMS

IL-13Ralpha1; Polyclonal Antibody; IL-13Ralpha1 Antibody; bB128O4.2.1 (interleukin 13 receptor; alpha 1); Cancer/testis antigen 19; CD213a1; CD213A1 Antigen; CT 19; CT19; I13R1_HUMAN; IL 13 receptor subunit alpha 1; IL 13R alpha 1; IL 13R subunit alpha 1; IL 13Ra; IL 13RA1; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL-13R-alpha-1; IL-13RA1; IL13 receptor alpha 1 chain; IL13R; IL13RA; I13ra1; Interleukin 13 receptor alpha 1; Interleukin 13 receptor alpha 1 chain; interleukin 13 receptor subunit alpha 1; Interleukin-13 receptor subunit alpha-1; NR 4; NR4; anti-IL13RA1 antibody

PRODUCT SPECIFICATIONS

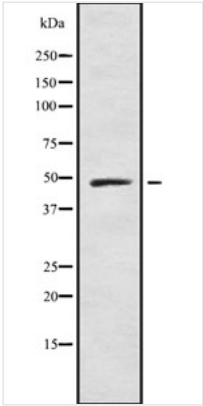
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	IL-13Ralpha1 antibody detects endogenous levels of total IL-13Ralpha1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	427
Applicable Applications for anti-IL13RA1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IL-13Ralpha1
Subcellular Location	Membrane.
Tissue Specificity	Ubiquitous. Highest levels in heart, liver, skeletal muscle and ovary; lowest levels in brain, lung and kidney. Also found in B-cells, T-cells and endothelial cells.
Similarity	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation. Belongs to the type I cytokine receptor family. Type 5 subfamily.
Predicted Cross Reactivity	Horse, Sheep, Rabbit, Dog
Similarity	Horse (89%), Sheep (89%), Rabbit (100%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322545 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

IF (Immunofluorescence)
AAA322545 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis IL-13Ralpha1 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-IL13RA1 antibody

Function: Binds with low affinity to interleukin-13 (IL13). Together with IL4RA can form a functional receptor for IL13. Also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity. Subunit Structure: Interleukin-13 receptor is a complex of IL4R, IL13RA1, and possibly other components. Interacts with TRAF3IP1. Similarity: The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation. Belongs to the type I cytokine receptor family. Type 5 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504647
NCBI GeneID	3597
NCBI Accession #	NP_001551.1
NCBI GenBank Nucleotide #	NM_001560.2
UniProt Accession #	P78552; O95646; Q5JSL4; Q99656; Q9UDY5
Molecular Weight	49 kDa

NCBI Official Full Name	interleukin-13 receptor subunit alpha-1
NCBI Official Synonym Full Names	interleukin 13 receptor subunit alpha 1
NCBI Official Symbol	IL13RA1
NCBI Official Synonym Symbols	NR4; CT19; CD213A1; IL-13Ra
NCBI Protein Information	interleukin-13 receptor subunit alpha-1
UniProt Protein Name	Interleukin-13 receptor subunit alpha-1
UniProt Gene Name	IL13RA1
UniProt Synonym Gene Names	IL13R; IL13RA; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL-13R-alpha-1; IL-13RA1; CT19

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-13ralpha1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322545>