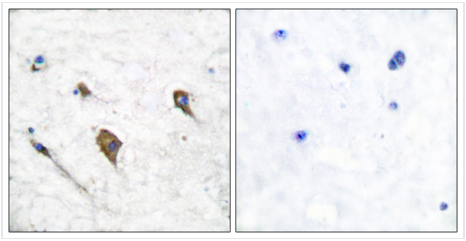
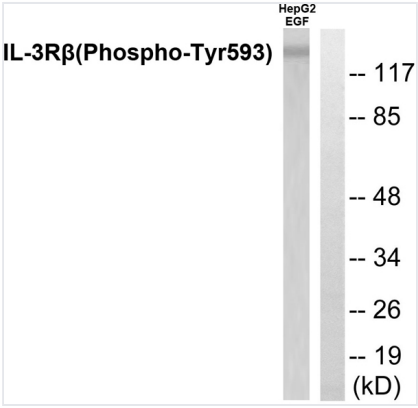
IL-3Rbeta Antibody

PRODUCT OVERVIEW

Product Name	IL-3Rbeta, Antibody
Full Product Name	IL-3Rbeta (Phospho-Tyr593) Antibody
Product Gene Name	anti-IL-3Rbeta antibody
Product Synonym Names	Interleukin-3 receptor alpha chain; IL-3R-alpha; CD123 antigen; IL3RA
Species Reactivity	Human, Mouse
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Specificity	IL3R (Phospho-Tyr593) antibody detects endogenous levels of IL3R only when phosphorylated at tyrosine 593.
Preparation and Storage	Store at-20 degree C for 1 year
OMIM	308385
3D Structure	ModBase 3D Structure for P26951
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human IL3R around the phosphorylation site of tyrosine 593 (G-P-YP-L-G).
All Sites	Human: Tyr593 Mouse: Tyr595
Product Categories/Family for anti-IL-3Rbeta antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IL-3Rbeta antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-IL-3Rbeta antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000
Related Product Information for anti-IL-3Rbeta antibody	MBS8501412 is an antibody targeting IL-3Rbeta. Also known as IL-3Rbeta (Phospho-Tyr593) Antibody. Reactive in Human, Mouse.
Product References and Citations for anti-IL-3Rbeta antibody	Michelle M. Le Beau, Blood, Aug 2003; 102: 1072-1074. Elena Cattaneo, J. Biol. Chem., Sep 1996; 271: 23374. Patricia McLoughlin, J. Biol. Chem., Sep 2002; 277: 37045-37053. Louise Edvardsson, Blood, Nov 2004; 104: 4120.
Other Notes	Small volumes of anti-IL-3Rbeta antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-IL-3Rbeta antibody
P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using IL3R (Phospho-Tyr593) antibody.



Western Blot (WB) of anti-IL-3Rbeta antibody
Western blot analysis of extracts from HepG2 cells, treated with EGF (200ng/ml, 15mins), using IL3R (Phospho-Tyr593) antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-3Rbeta. It may not necessarily be applicable to this product.

NCBI GI #	391224440
NCBI GeneID	3563
NCBI Accession #	NP_001254642.1
UniProt Primary Accession #	P26951
UniProt Secondary Accession #	Q5HYQ7; Q5HYQ8; Q9UEH7; A8K3F3; B9VI81
UniProt Related Accession #	P26951
GenBank Nucleotide #	NM_001267713.1
NCBI Official Full Name	interleukin-3 receptor subunit alpha isoform 2
NCBI Official Synonym Full Names	interleukin 3 receptor subunit alpha
NCBI Official Symbol	IL3RA
NCBI Official Synonym Symbols	IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra
UniProt Protein Name	Interleukin-3 receptor subunit alpha
UniProt Synonym Protein Names	CD_antigen: CD123
UniProt Gene Name	IL3RA
UniProt Synonym Gene Names	IL3R; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA
NCBI Protein Information	interleukin-3 receptor subunit alpha
NCBI Summary for IL-3Rbeta	The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found. [provided by RefSeq, Jun 2012]
UniProt Comments for IL-3Rbeta	This is a receptor for interleukin-3.
Research Articles on IL-3Rbeta	**1.** Our data define the mechanisms by which SL-101 targets acute myeloid leukemia (AML)and warrant further investigation of the clinical application of SL-101 and other CD123-targeting strategies in AML.

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