

Anti-CXCL5/ENA-78 Antibody

Catalog # ABO12545

Product Information

Application	WB, E
Primary Accession	P97885
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for C-X-C motif chemokine 5(CXCL5) detection. Tested with WB, ELISA in Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	60665
Other Names	C-X-C motif chemokine 5, Cytokine LIX, Small-inducible cytokine B5, Cxcl5, Scyb5
Calculated MW	14263
Application Details	ELISA , 0.1-0.5 μ g/ml, Rat, - Western blot, 0.1-0.5 μ g/ml, Rat
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	C-X-C motif chemokine 5
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E. coli-derived rat CXCL5 recombinant protein (Position: A38-Q130). Rat CXCL5 shares 58.7% and 76.3% amino acid (aa) sequence identity with human and mouse CXCL5, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	Cxcl5
Synonyms	Scyb5
Function	May participate in the recruitment of inflammatory cells by injured or infected tissue.
Cellular Location	Secreted.

Background

C-X-C motif chemokine 5 or ENA-78 is a protein that in humans is encoded by the CXCL5 gene. The protein encoded by this gene, CXCL5 is a small cytokine belonging to the CXC chemokine family. It is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II interferon IFN- γ . This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. The gene for CXCL5 is encoded on four exons and is located on human chromosome 4 amongst several other CXC chemokine genes. CXCL5 has been implicated in connective tissue remodelling. Also, CXCL5 has been described to regulate neutrophil homeostasis.

Images



Western blot analysis of CXCL5 expression in recombinant rat CXCL5 protein 0.5ng (lane 1). CXCL5 at 14KD was detected using rabbit anti- CXCL5 Antigen Affinity purified polyclonal antibody (Catalog # ABO12545) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

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