

CXCL13 Rabbit pAb

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Catalog # AP52043

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O43927
Reactivity	Human
Predicted	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12664
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CXCL13
Epitope Specificity	23-109/109
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	B lymphocyte chemoattractant, independently cloned and named Angie, is a CXC chemokine strongly expressed in the follicles of the spleen, lymph nodes, and Peyer's patches. It preferentially promotes the migration of B lymphocytes (compared to T cells and macrophages), apparently by stimulating calcium influx into, and chemotaxis of, cells expressing Burkitt's lymphoma receptor 1 (BLR1). It may therefore function in the homing of B lymphocytes to follicles.

Additional Information

Gene ID	10563
Other Names	C-X-C motif chemokine 13, Angie, B cell-attracting chemokine 1, BCA-1, B lymphocyte chemoattractant, CXC chemokine BLC, Small-inducible cytokine B13, CXCL13, BCA1, BLC, SCYB13
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CXCL13
Synonyms	BCA1, BLC, SCYB13
Function	Chemotactic for B-lymphocytes but not for T-lymphocytes, monocytes and neutrophils. Does not induce calcium release in B- lymphocytes. Binds to BLR1/CXCR5.
Cellular Location	Secreted.
Tissue Location	Highest levels in liver, followed by spleen, lymph node, appendix and stomach. Low levels in salivary gland, mammary gland and fetal spleen

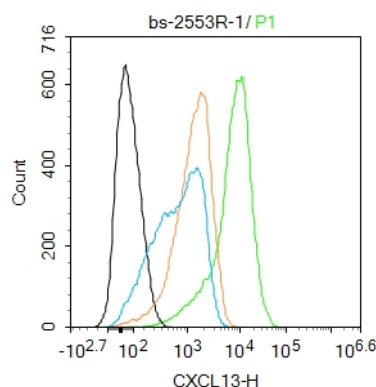
Background

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References

Gunn M.D.,et al.Nature 391:799-803(1998).
Legler D.F.,et al.J. Exp. Med. 187:655-660(1998).
Napolitano M.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.

Images



Blank control(black line):HepG2.
Primary Antibody (green line): Rabbit Anti-CXCL13 antibody (AP52043)
Dilution:1ug/Test;
Secondary Antibody(white blue line): Goat anti-rabbit IgG-AF488
Dilution: 0.5ug/Test.
Isotype control(orange line): Normal Rabbit IgG Protocol
The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Sample:
Lane 1: Human Jurkat cell lysates
Primary: Anti-CXCL13 (AP52043) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 10 kDa
Observed band size: 16 kDa

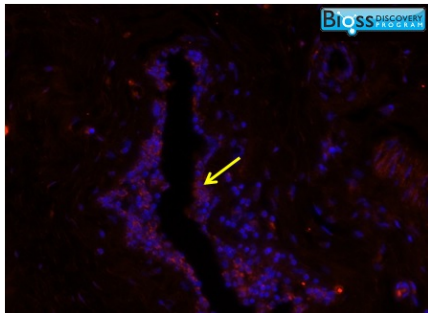
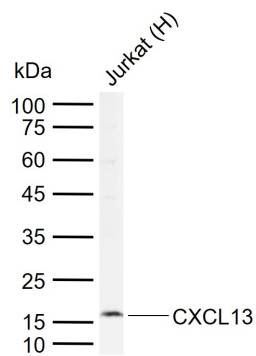
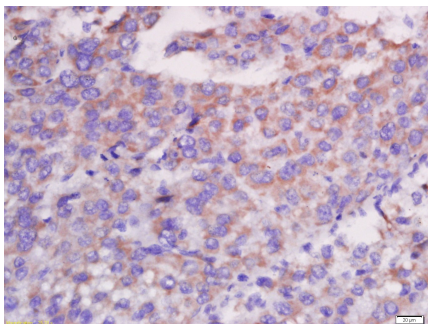


Image was kindly submitted by Erica Pimenta from UMDNJ. Human breast tumor tissue stained with Rabbit Anti-CXCL13 Polyclonal Antibody (AP52043)



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CXCL13) Polyclonal Antibody, Unconjugated (AP52043) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.