

ARG66104 anti-CXCL14 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CXCL14
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL14
Species	Human
Immunogen	E. coli derived recombinant Human CXCL14. (SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS VSRYRGQEHCLHPKLOSTKR FIKWYNWANE KRRVYEE)
Conjugation	Un-conjugated
Alternate Names	MIP-2G; KS1; BMAC; Small-inducible cytokine B14; KEC; C-X-C motif chemokine 14; MIP-2g; Chemokine BRAK; MIP2G; BRAK; NJAC; SCYB14

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66105 as a detection antibody
	IHC-P	0.25 µg/ml
	WB	0.1 - 0.2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

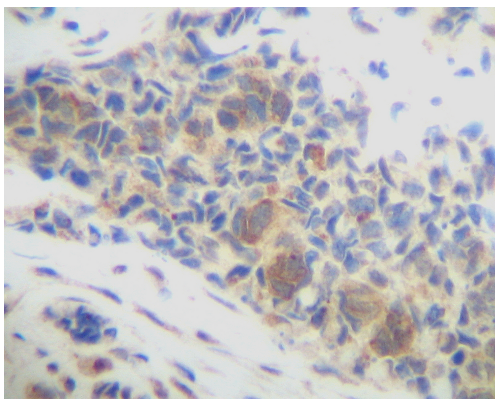
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

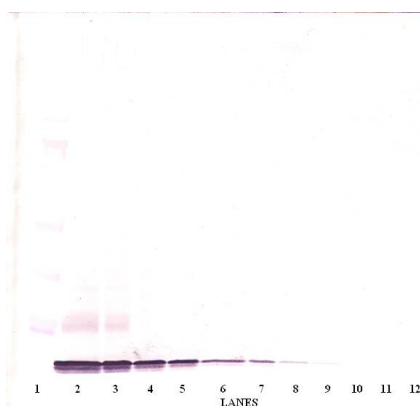
Database links	GeneID: 9547 Human Swiss-port # O95715 Human
Gene Symbol	CXCL14
Gene Full Name	chemokine (C-X-C motif) ligand 14
Background	This antimicrobial gene belongs to the cytokine gene family which encode secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. It has been implicated that this cytokine is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. [provided by RefSeq, Sep 2014]
Function	Potent chemoattractant for neutrophils, and weaker for dendritic cells. Not chemotactic for T-cells, B-cells, monocytes, natural killer cells or granulocytes. Does not inhibit proliferation of myeloid progenitors in colony formation assays. [UniProt]
Calculated Mw	13 kDa
PTM	Ubiquitinated, followed by degradation by the proteasome.

Images



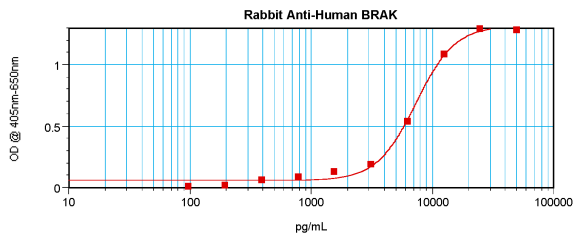
ARG66104 anti-CXCL14 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human breast invasive ductal carcinoma. The recommended ARG66104 anti-CXCL14 antibody concentration is 0.25 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



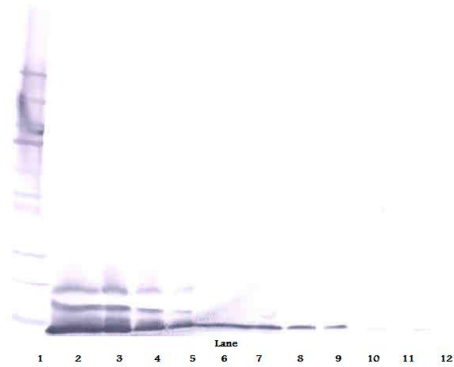
ARG66104 anti-CXCL14 antibody WB image

Western blot: 250 - 0.24 ng of Human BRAK stained with ARG66104 anti-CXCL14 antibody, under non-reducing conditions.



ARG66104 anti-CXCL14 antibody standard curve image

Sandwich ELISA: ARG66104 anti-CXCL14 antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG66105 anti-CXCL14 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66104 anti-CXCL14 antibody WB image

Western blot: 250 - 0.24 ng of Human BRAK stained with ARG66104 anti-CXCL14 antibody, under reducing conditions.