

ARG43803 anti-XCR1 / CCXCR1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes XCR1 / CCXCR1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	XCR1 / CCXCR1
Species	Human
Immunogen	Recombinant protein corresponding to a.a. F246-N274 of Human XCR1 / CCXCR1.
Conjugation	Un-conjugated
Alternate Names	XCR1; X-C Motif Chemokine Receptor 1; CCXCR1; GPR5; Chemokine (C Motif) XC Receptor 1; Chemokine (C Motif) Receptor 1; Chemokine XC Receptor 1; XC Chemokine Receptor 1; Lymphotactin Receptor; G Protein-Coupled Receptor 5; G-Protein Coupled Receptor 5

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 – 1:250
	WB	1:500 – 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	RT4; U-87MG; HEL; U2OS; Human spleen; Rat spleen tissue; Mouse spleen; Mouse thymus tissue; Rat thymus.	
Observed Size	~42 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 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

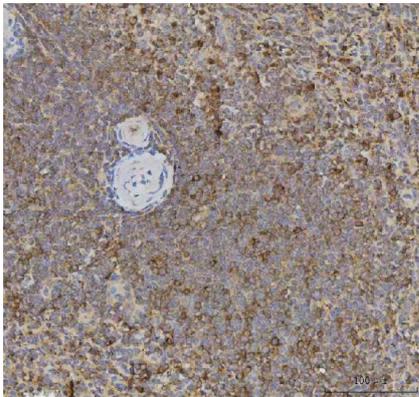
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

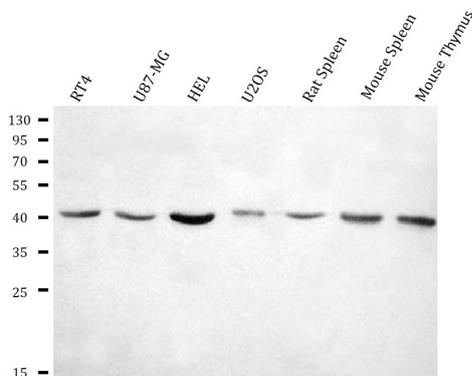
Gene Symbol	XCR1
Gene Full Name	X-C Motif Chemokine Receptor 1
Background	The protein encoded by this gene is a chemokine receptor belonging to the G protein-coupled receptor superfamily. The family members are characterized by the presence of 7 transmembrane domains and numerous conserved amino acids. This receptor is most closely related to RBS11 and the MIP1-alpha/RANTES receptor. It transduces a signal by increasing the intracellular calcium ions level. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. Several alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr 2020]
Function	Receptor for chemokines SCYC1 and SCYC2. Subsequently transduces a signal by increasing the intracellular calcium ions level. Receptor for XCL1/Lymphotactin. [UniProt]
Calculated Mw	38.5 kDa
PTM	Disulfide bond. [UniProt]
Cellular Localization	Cell membrane; Membrane. [UniProt]

Images



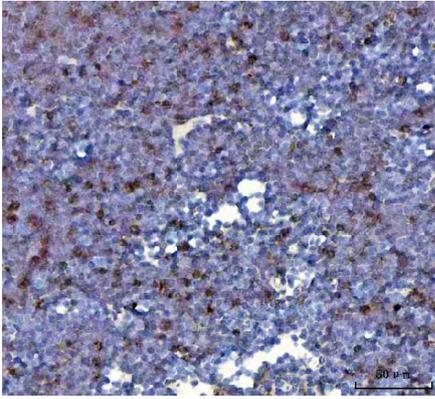
ARG43803 anti-XCR1 / CCXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 2 µg/ml dilution, overnight at 4°C.



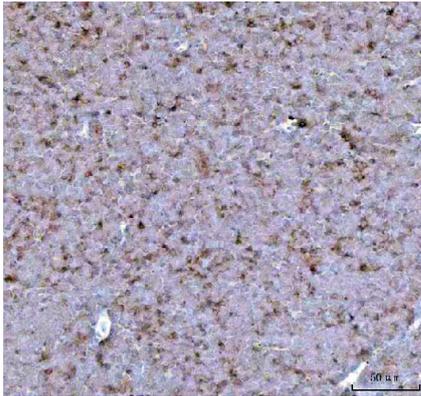
ARG43803 anti-XCR1 / CCXCR1 antibody WB image

Western blot: 30 µg of samples under reducing conditions. RT4 cells, U-87MG cells, HEL cells, U2OS cells, Rat spleen tissue, Mouse spleen tissue lysates stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 0.5 µg/ml, overnight at 4°C.



ARG43803 anti-XCR1 / CCXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded MMouse thymus tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 2 μ g/ml dilution, overnight at 4°C.



ARG43803 anti-XCR1 / CCXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat thymus tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 2 μ g/ml dilution, overnight at 4°C.
