

Specification

[9782118](http://www.uniprot.org/citations/9782118), PubMed: [12055230](http://www.uniprot.org/citations/12055230)). Regulates leukocyte adhesion and migration processes at the endothelium (PubMed: [9024663](http://www.uniprot.org/citations/9024663), PubMed: [9177350](http://www.uniprot.org/citations/9177350)). Can activate integrins in both a CX3CR1-dependent and CX3CR1-independent manner (PubMed: [23125415](http://www.uniprot.org/citations/23125415), PubMed: [24789099](http://www.uniprot.org/citations/24789099)). In the presence of CX3CR1, activates integrins by binding to the classical ligand-binding site (site 1) in integrins (PubMed: [23125415](http://www.uniprot.org/citations/23125415), PubMed: [24789099](http://www.uniprot.org/citations/24789099)). In the absence of CX3CR1, binds to a second site (site 2) in integrins which is distinct from site 1 and enhances the binding of other integrin ligands to site 1 (PubMed: [23125415](http://www.uniprot.org/citations/23125415), PubMed: [24789099](http://www.uniprot.org/citations/24789099)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

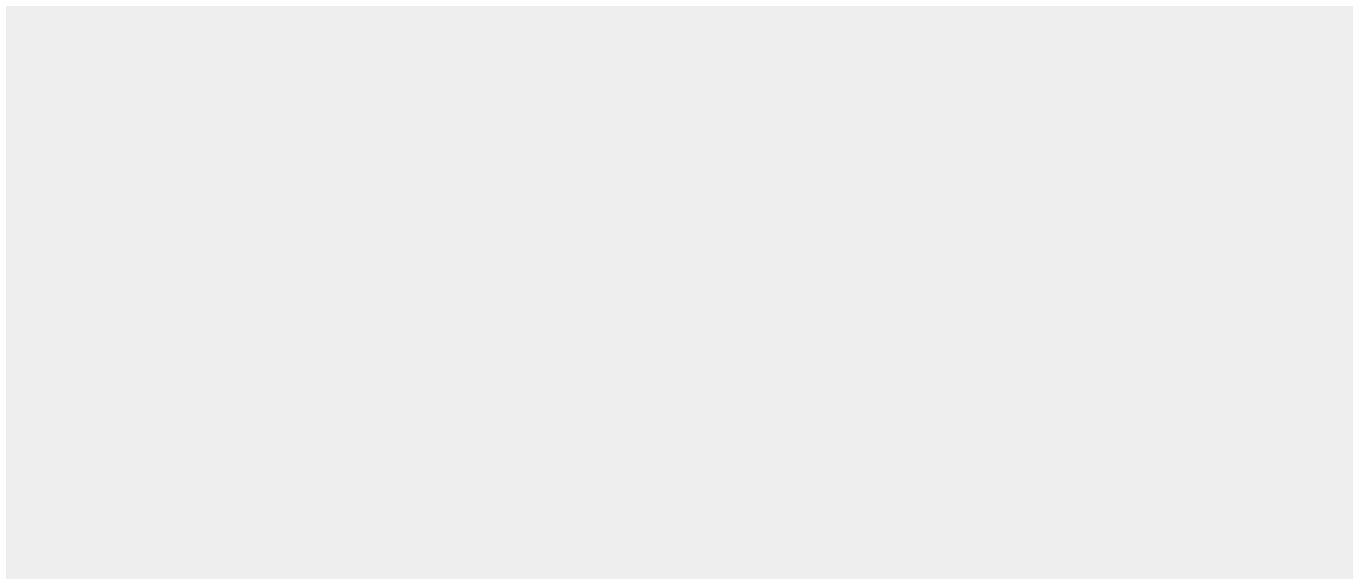
Expressed in the seminal plasma, endometrial fluid and follicular fluid (at protein level). Small intestine, colon, testis, prostate, heart, brain, lung, skeletal muscle, kidney and pancreas. Most abundant in the brain and heart

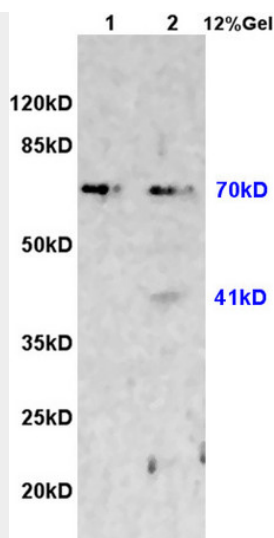
Rabbit Anti-CX3CL1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

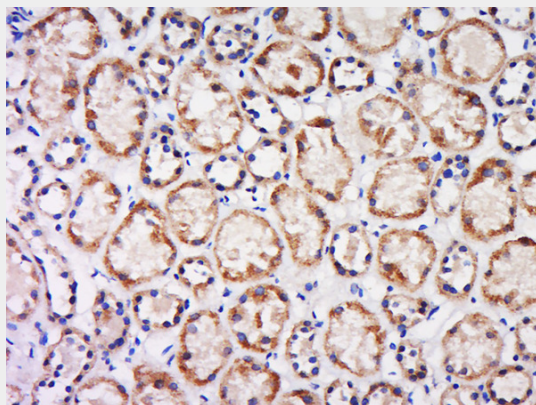
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Rabbit Anti-CX3CL1 Polyclonal Antibody - Images

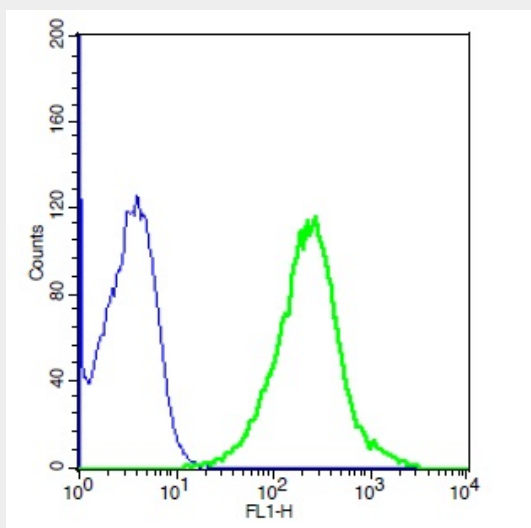




L1 rat heart lysates L2 rat brain lysates probed with Anti CX3CL1 Polyclonal Antibody, Unconjugated (AP52235) at 1:200 overnight at 4°C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37°C. Predicted band 41kD. Observed band size:41/70kD.



Paraformaldehyde-fixed, paraffin embedded human kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min; Antibody incubation with Rabbit Anti-CX3CL1 Polyclonal Antibody, Unconjugated (AP52235) at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.



Human A549 cell lysates probed with Rabbit Anti-CX3CL1 Polyclonal Antibody, Unconjugated AP52235 (green) at 1:10 for 30 minutes followed by a FITC conjugated secondary antibody compared to unstained cells (blue).

Rabbit Anti-CX3CL1 Polyclonal Antibody - Background

The soluble form is chemotactic for T-cells and monocytes, but not for neutrophils. The membrane-bound form promotes adhesion of those leukocytes to endothelial cells. May play a role in regulating leukocyte adhesion and migration processes at the endothelium. Binds to CX3CR1.