

CCRL1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50629**Specification**

CCRL1 Antibody - Product Information

Application	WB, IF
Primary Accession	Q9NPB9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40 KDa
Antigen Region	28-56

CCRL1 Antibody - Additional Information**Gene ID** 51554**Other Names**

Atypical chemokine receptor 4, C-C chemokine receptor type 11, C-C CKR-11, CC-CKR-11, CCR-11, CC chemokine receptor-like 1, CCRL1, CCX CKR, ACKR4, CCBP2, CCR11, CCRL1, VSHK1

Dilution

WB~~ 1:500

IF~~1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

CCRL1 Antibody - Protein Information**Name** ACKR4**Synonyms** CCBP2, CCR11, CCRL1, VSHK1**Function**

Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines CCL2, CCL8, CCL13, CCL19, CCL21 and CCL25. Chemokine-binding does not activate G-protein-mediated signal transduction but instead induces beta-arrestin recruitment, leading to ligand internalization. Plays an important role in controlling the migration of immune and cancer cells that express chemokine receptors CCR7 and CCR9, by

reducing the availability of CCL19, CCL21, and CCL25 through internalization. Negatively regulates CXCR3-induced chemotaxis. Regulates T-cell development in the thymus.

Cellular Location

Early endosome. Recycling endosome. Cell membrane; Multi-pass membrane protein.

Note=Predominantly localizes to endocytic vesicles, and upon stimulation by the ligand is internalized via caveolae. Once internalized, the ligand dissociates from the receptor, and is targeted to degradation while the receptor is recycled back to the cell membrane

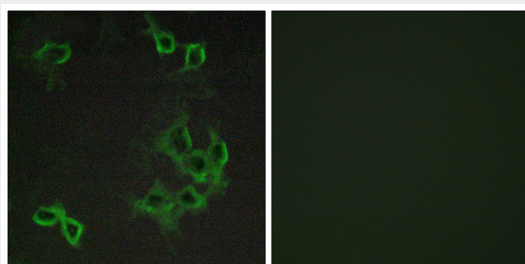
Tissue Location

Predominantly expressed in heart. Lower expression in lung, pancreas, spleen, colon, skeletal muscle and small intestine

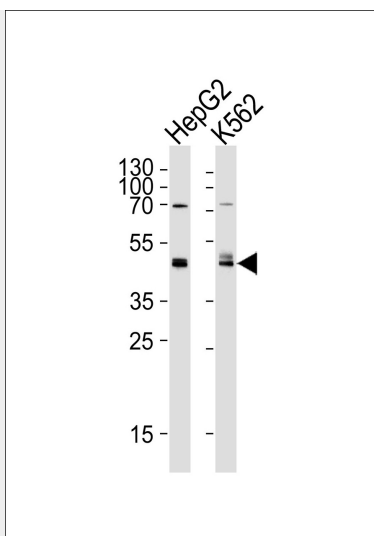
CCRL1 Antibody - Protocols

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](#)

CCRL1 Antibody - Images

Immunofluorescence analysis of COS-7 cells, using CCRL1 antibody.



Western blot analysis of lysates from HepG2, K562 cell line (from left to right), using CCRL1 Antibody (AP50629). AP50629 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

CCRL1 Antibody - Background

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CCRL1 Antibody - References

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Schweickart V.L., et al. *J. Biol. Chem.* 275:9550-9556 (2000).
Gosling J., et al. *J. Immunol.* 164:2851-2856 (2000).
Kopatz S.A., et al. Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. *Nat. Genet.* 36:40-45 (2004).