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ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10365

Specification

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC-P**
Primary Accession	Q9NPB9
Reactivity	**Human, Mouse, Rabbit, Pig, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40kDa KDa**
Dilution	**IHC-P~~N/A**

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - 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

Target/Specificity
Human CCRL1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except CCR6 (63%).

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - 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

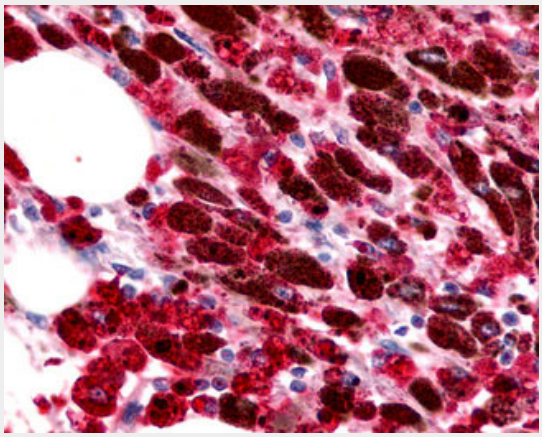
Volume
50 µl

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - Images



Anti-ACKR4 / CCRL1 / CCR11 antibody IHC of human Skin, Melanoma.

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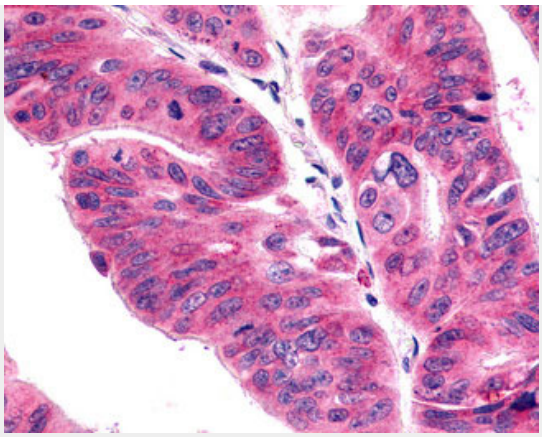

Anti-ACKR4 / CCRL1 / CCR11 antibody IHC of human Colon, Carcinoma.

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - Background

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.

ACKR4 / CCRL1 / CCR11 Antibody (Cytoplasmic Domain) - References

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