

Rabbit anti-Human CCBP2 Polyclonal Antibody | anti-CCBP2 antibody

CCBP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325477	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

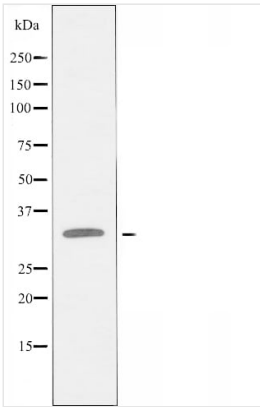
PRODUCT SYNONYMS

CCBP2; Polyclonal Antibody; CCBP2 Antibody; C C chemokine receptor D6; C-C chemokine receptor D6; CC chemokine binding receptor JAB61; CC chemokine receptor D6; CCBP 2; CCBP2_HUMAN; CCR 10; CCR 9; CCR10; CCR9; Chemokine (C C motif) receptor 9; Chemokine (C C) receptor 9; Chemokine binding protein 2; Chemokine binding protein D6; Chemokine C C motif receptor 9; Chemokine C C receptor 9; Chemokine CC motif receptor 9; Chemokine CC receptor 9; Chemokine receptor 9; Chemokine receptor CCR 10; Chemokine receptor CCR 9; Chemokine receptor CCR-10; Chemokine receptor CCR-9; Chemokine receptor CCR10; Chemokine receptor CCR9; Chemokine receptor D6; Chemokine-binding protein 2; Chemokine-binding protein D6; CMKBR 9; CMKBR9; D6; hD6; MGC126678; MGC138250; anti-CCBP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CCBP2 antibody detects endogenous levels of total CCBP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	384
Applicable Applications for anti-CCBP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Found in endothelial cells lining afferent lymphatics in dermis and lymph nodes. Also found in lymph nodes subcapsular and medullary sinuses, tonsillar lymphatic sinuses and lymphatics in mucosa and submucosa of small and large intestine and appendix. Also found in some malignant vascular tumors. Expressed at high levels in Kaposi sarcoma-related pathologies. Expressed on apoptotic neutrophils (at protein level). Expressed primarily in placenta and fetal liver, and found at very low levels in the lung and lymph node.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using CCBP2 antibody.



IF (Immunofluorescence)

AAA325477 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CCBP2 antibody	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 including CCL2, CCL3, CCL3L1, CCL4, CCL5, CCL7, CCL8, CCL11, CCL13, CCL17, CCL22, CCL23, CCL24, SCYA2/MCP-1, SCY3/MIP-1-alpha, SCYA5/RANTES and SCYA7/MCP-3. Upon active ligand stimulation, activates a beta-arrestin 1 (ARRB1)-dependent, G protein-independent signaling pathway that results in the phosphorylation of the actin-binding protein cofilin (CFL1) through a RAC1-PAK1-LIMK1 signaling pathway. Activation of this pathway results in up-regulation of ACKR2 from endosomal compartment to cell membrane, increasing its efficiency in chemokine uptake and degradation. By scavenging chemokines in tissues, on the surfaces of lymphatic vessels, and in placenta, plays an essential role in the resolution (termination) of the inflammatory response and in the regulation of adaptive immune responses. Plays a major role in the immune silencing of macrophages during the resolution of inflammation. Acts as a regulator of inflammatory leukocyte interactions with lymphatic endothelial cells (LECs) and is required for immature/mature dendritic cells discrimination by LECs. Post-translational Modifications: Phosphorylated on serine residues in the C-terminal cytoplasmic tail. Similarity: The C-terminal cytoplasmic tail controls its phosphorylation, stability, intracellular trafficking itinerary, and chemokine scavenging properties. Belongs to the G-protein coupled receptor 1 family. Atypical chemokine receptor subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13929467
NCBI GeneID	1238
NCBI Accession #	NP_001287.2
NCBI GenBank Nucleotide #	NM_001296.4
UniProt Accession #	O00590; O00537; Q53YA1; Q86UN9; Q96A02; B2R8Y8
Molecular Weight	Observed: 34 kD Predicted: 44 kDa
NCBI Official Full Name	atypical chemokine receptor 2
NCBI Official Synonym Full Names	atypical chemokine receptor 2
NCBI Official Symbol	ACKR2
NCBI Official Synonym Symbols	D6; hD6; CCR9; CCBP2; CCR10; CMKBR9
NCBI Protein Information	atypical chemokine receptor 2

UniProt Protein Name	Atypical chemokine receptor 2
UniProt Gene Name	ACKR2
UniProt Synonym Gene Names	CCBP2; CCR10; CMKBR9; D6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccbp2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325477>