

🕜 Tel: +1-301-363-4651 🛛 🖂 Email: cusabio@cusabio.com 🛛 🥑 Website: www.cusabio.com 🌘

## CCR9 Recombinant Monoclonal Antibody

Product Code	CSB-RA004848A0HU
Abbreviation	C-C chemokine receptor type 9
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51686
Immunogen	A synthesized peptide derived from human CCR9
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IF, IP; Recommended dilution: WB:1:500-1:5000, IF:1:20-1:200, IP:1:200-1:1000
Relevance	Receptor for chemokine SCYA25/TECK. Subsequently transduces a signal by increasing the intracellular calcium ions level.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	C-C chemokine receptor type 9, C-C CKR-9, CC-CKR-9, CCR-9, G-protein coupled receptor 28, GPR-9-6, CDw199, CCR9, GPR28
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	CCR9
Clone No.	4G2
Image	A Western Blot

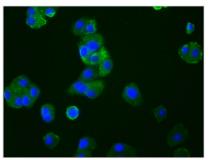
Western Blot JUTKat HL 60 Hela UST Positive WB detected in: SH-SY5Y whole cell 120KD lysate, HepG2 whole cell lysate, Jurkat whole 90KD cell lysate, HL-60 whole cell lysate, Hela whole cell lysate, U87 whole cell lysate, Mouse brain 50KDtissue All lanes: CCR9 antibody at 1µg/ml  $35KD \rightarrow$ Secondary  $25KD \rightarrow$ Goat polyclonal to rabbit IgG at 1/50000 dilution  $20KD \rightarrow$ Predicted band size: 43, 41 KDa Observed band size: 43 KDa

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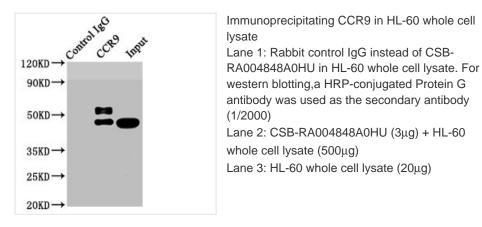


## **CUSABIO TECHNOLOGY LLC**

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Immunofluorescence staining of HepG2 cells with CSB-RA004848A0HU at 1:33, counterstained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4?. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).



## Description

The CCR9 recombinant monoclonal antibody is produced by transfecting the antibody DNA gene-vector clones into the cell line for in vitro expression. The antibody DNA gene encodes a synthesized peptide derived from human CCR9 protein. This CCR9 antibody can react with the CCR9 protein of human- and mouse-origin. It is purified through the affinity-chromatography approach. And it is recommended for ELISA, WB, IF, and IP applications.

CCR9 is mainly distributed in immature T lymphocytes and on the surface of intestinal cells, and it plays a role in T lymphocyte development and tissue-specific homing when bound to its specific and CCL25. CCR9 has been found to be highly expressed in a wide range of cancers and has been linked to tumor chemoresistance and metastasis. It is therefore a potential tumor biomarker in diagnosis and therapy.