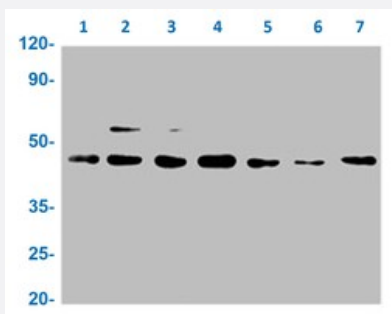


RecomAb™

CCR9 recombinant monoclonal antibody, clone 4G2

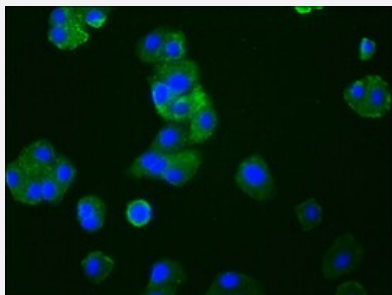
Catalog # RAB04331 Size 100 uL

Applications



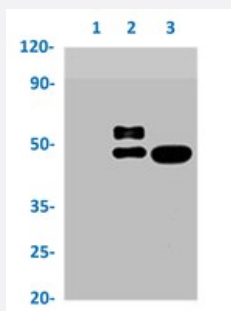
Western Blot

Western blot analysis of Lane 1: SH-SY5Y whole cell lysate, Lane 2: HepG2 whole cell lysate, Lane 3: Jurkat whole cell lysate, Lane 4: HL-60 whole cell lysate, Lane 5: Hela whole cell lysate, Lane 6: U87 whole cell lysate and Lane 7: mouse brain tissue with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331).



Immunofluorescence

Immunofluorescent staining of HepG2 cells with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331) (diluted at 1:33). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Immunoprecipitation

Immunoprecipitation analysis of HL-60 cell lysate with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331).

Lane 1: rabbit control IgG, Lane 2: RAB04331 precipitates and Lane 3: Input (HL-60 whole cell lysate).

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against human CCR9.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CCR9.
Theoretical MW (kDa)	Calculated MW: 43, 4
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: SH-SY5Y whole cell lysate, Lane 2: HepG2 whole cell lysate, Lane 3: Jurkat whole cell lysate, Lane 4: HL-60 whole cell lysate, Lane 5: Hela whole cell lysate, Lane 6: U87 whole cell lysate and Lane 7: mouse brain tissue with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331).

- Immunofluorescence

Immunofluorescent staining of HepG2 cells with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331) (diluted at 1:33). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Immunoprecipitation

Immunoprecipitation analysis of HL-60 cell lysate with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331). Lane 1: rabbit control IgG, Lane 2: RAB04331 precipitates and Lane 3: Input (HL-60 whole cell lysate).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CCR9

Entrez GeneID [10803](#)

Protein Accession# [P51686](#)

Gene Name CCR9

Gene Alias CDw199, GPR-9-6, GPR28

Gene Description chemokine (C-C motif) receptor 9

Omim ID [604738](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the beta chemokine receptor family. It is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are key regulators of the thymocytes migration and maturation in normal and inflammation conditions. The specific ligand of this receptor is CCL25. It has been found that this gene is differentially expressed by T lymphocytes of small intestine and colon, suggested a role in the thymocytes recruitment and development that may permit functional specialization of immune responses in different segment of the gastrointestinal tract. This gene is mapped to the chemokine receptor gene cluster region. Two alternatively spliced transcript variants have been described. [provided by RefSeq]

Other Designations G protein-coupled receptor 28|OTTHUMP00000164653|OTTHUMP00000164654

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)

- [HIV Infections](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Skin Diseases](#)