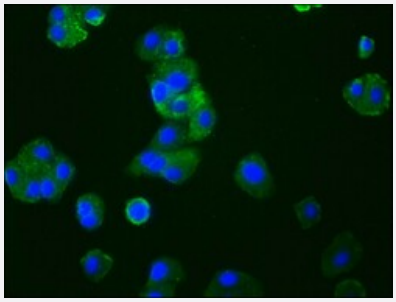
RecomAb™

CCR9 recombinant monoclonal antibody, clone 4G2

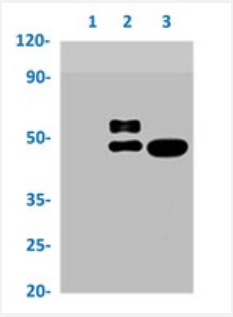
Catalog # RAB04331 Size 100 uL

Applications



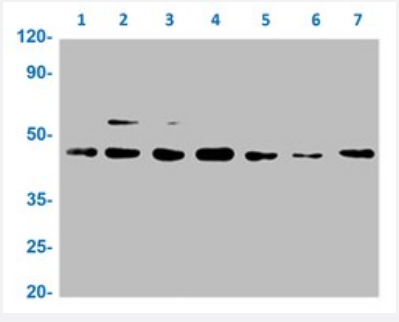
Immunofluorescence

Immunofluorescent staining of HepG2 cells with CCR9 recombinant monoclonal antibody, clone 4G2 (Cat # RAB04331) (diluated at 1:33). The secondary antibody was Alexa Fluor 488-congugated 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).



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).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CCR9.

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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
Preparation Method	Mammalian cell (HEK293) expression system
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 shoul d be handled by trained staff only.

Applications

- Immunofluorescence

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

- Enzyme-linked Immunoabsorbent Assay

- 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).

- 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).

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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

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- HIV Infections
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Skin Diseases

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