

# Anti-CCR9 Antibody [JE00-35]

HA722444



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 42 kDa
<b>Clone number:</b>	JE00-35

**Description:** The protein encoded by this gene is a G protein-coupled receptor with seven transmembrane domains that belongs to the beta chemokine receptor family. Chemokines and their receptors are key regulators of thymocyte migration and maturation in normal and inflammation conditions. This gene is differentially expressed in T lymphocytes of the small intestine and colon, and its interaction with chemokine 25 contributes to intestinal intra-epithelial lymphocyte homing to the small intestine. This suggests a role for this gene in directing immune responses to different segments of the gastrointestinal tract. This gene and its exclusive ligand, chemokine 25, are overexpressed in a variety of malignant tumors and are closely associated with tumor proliferation, apoptosis, invasion, migration and drug resistance. This gene maps to the chemokine receptor gene cluster. Multiple transcript variants encoding different isoforms have been found for this gene.

**Immunogen:** Recombinant protein within Human CCR9 aa 1-100 / 369.

**Positive control:** A549 cell lysate, Jurkat cell lysate, HepG2 cell lysate, mouse thymus tissue lysate, rat lung tissue lysate, rat thymus tissue lysate.

**Subcellular location:** Cell membrane.

**Database links:** SwissProt: P51686 Human | Q9WUT7 Mouse  
Entrez Gene: 282832 Rat

**Recommended Dilutions:**  
**WB** 1:1,000

**Storage Buffer:** 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

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Orders:0086-571-88062880

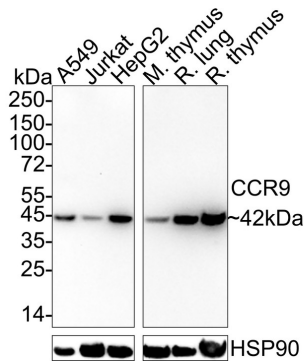
Technical:0086-571-89986345

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## Images

**Fig1:** Western blot analysis of CCR9 on different lysates with Rabbit anti-CCR9 antibody (HA722444) at 1/1,000 dilution.



Lane 1: A549 cell lysate (20 µg/Lane)

Lane 2: Jurkat cell lysate (20 µg/Lane)

Lane 3: HepG2 cell lysate (20 µg/Lane)

Lane 4: Mouse thymus tissue lysate (40 µg/Lane)

Lane 5: Rat lung tissue lysate (40 µg/Lane)

Lane 6: Rat thymus tissue lysate (40 µg/Lane)

Predicted band size: 42 kDa

Observed band size: 42 kDa

Exposure time: 1 minute 50 seconds; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA722444) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

### Background References

1. Wu X et al. The Roles of CCR9/CCL25 in Inflammation and Inflammation-Associated Diseases. *Front Cell Dev Biol.* 2021 Aug
2. Jamal M et al. CCR9 overexpression promotes T-ALL progression by enhancing cholesterol biosynthesis. *Front Pharmacol.* 2023 Sep

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