



Datasheet for ABIN1048406

anti-CCR9 antibody (Extracellular Domain)



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1 Image

Overview

| | |
|----------------------|---|
| Quantity: | 50 µg |
| Target: | CCR9 |
| Binding Specificity: | Extracellular Domain |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------|--|
| Brand: | IHC-plus™ |
| Immunogen: | Synthetic 19 amino acid peptide from 2nd extracellular domain of human CCR9. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon (100%), Monkey (95%), Horse, Pig (89%), Bovine (84%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human CCR9. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon (100%) Monkey (95%) Horse, Pig (89%) Bovine (84%). |
| Purification: | Immunoaffinity purified |

Target Details

| | |
|-------------------|---|
| Target: | CCR9 |
| Alternative Name: | CCR9 (CCR9 Products) |
| Background: | Name/Gene ID: CCR9 Subfamily: Chemokine Family: GPCR Synonyms: CCR9, C-C CKR-9, CC-CKR-9, CCR-9, CDw199 antigen, C-C chemokine receptor 9, C-C chemokine receptor type 9, Chemokine c-c motif receptor 9, CDw199, G protein-coupled receptor 28, GPR-9-6, G-protein coupled receptor 28, GPR28 |
| Gene ID: | 10803 |

Application Details

| | |
|--------------------|---|
| Application Notes: | Approved: IHC-P (2 - 3 µg/mL) |
| Comment: | This antibody has been further validated specifically for use under standardized IHC conditions against formalin-fixed paraffin-embedded human tissues. |
| Assay Procedure: | The IHC-pro Immunohistochemistry Protocol |

Tissue Preparation

Formalin fixation and embedding in paraffin wax

Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, less than 0.1 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

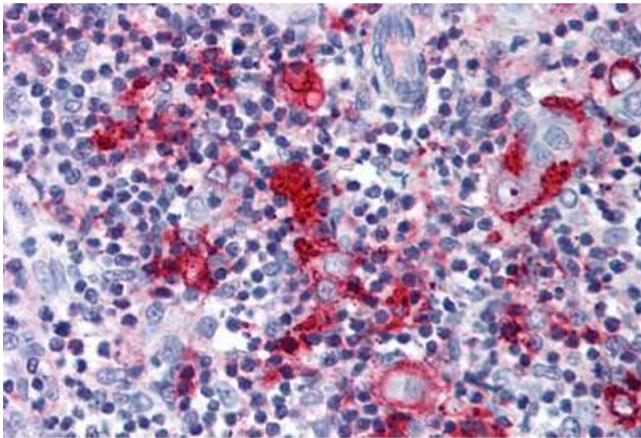
should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze thaw cycles.

Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Anti-CCR9 antibody ABIN1048406 IHC staining of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.