

# CXCL12 Rabbit pAb

Catalog No.: A1325

10 Publications

## Basic Information

### Observed MW

11kDa

### Calculated MW

11kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This antimicrobial gene encodes a stromal cell-derived alpha chemokine member of the intercrine family. The encoded protein functions as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4, and plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis. Mutations in this gene are associated with resistance to human immunodeficiency virus type 1 infections. Multiple transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IHC-P** 1:100 - 1:200**IF/ICC** 1:100 - 1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

6387

**Swiss Prot**

P48061

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

IRH; PBSF; SDF1; TLSF; TPAR1; SCYB12; CXCL12

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

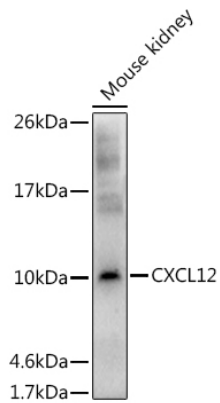
Affinity purification

**Storage**

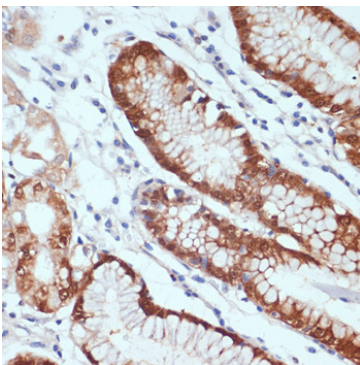
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide, 50% glycerol, pH 7.3.

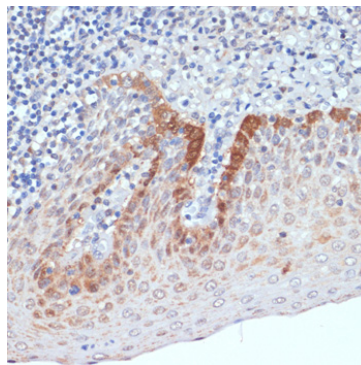
## Validation Data



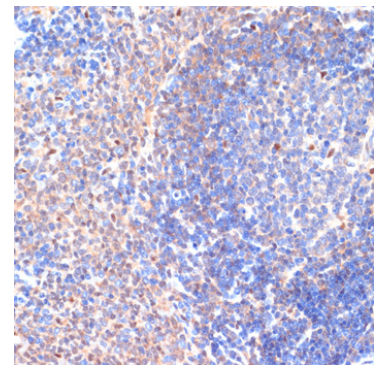
Western blot analysis of lysates from Mouse kidney, using CXCL12 Rabbit pAb (A1325) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



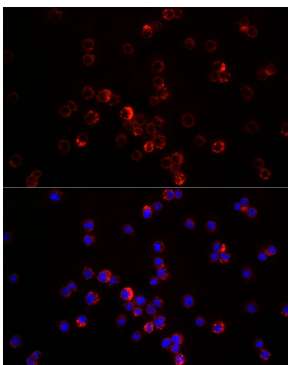
Immunohistochemistry analysis of paraffin-embedded Human stomach using CXCL12 Rabbit pAb (A1325) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CXCL12 Rabbit pAb (A1325) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using CXCL12 Rabbit pAb (A1325) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of THP-1 cells using CXCL12 Rabbit pAb (A1325) at dilution of 1:200. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.