CX3CL1 Rabbit mAb

Catalog No.: A28511

Recombinant

Basic Information

Observed MW
85 kDa

Calculated MW
42 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IF-F, IHC-P, FC, ELISA

Cross Reactivity
Mouse

Clone No.
ARC80042

Background

Enables CX3C chemokine receptor binding activity. Acts upstream of or within several processes, including leukocyte chemotaxis; negative regulation of extrinsic apoptotic signaling pathway in absence of ligand; and positive regulation of transforming growth factor beta1 production. Located in neuron projection; neuronal cell body; and plasma membrane. Is expressed in several structures, including brain; genitourinary system; gut; nose; and respiratory system. Human ortholog(s) of this gene implicated in Cor pulmonale and common cold. Orthologous to human CX3CL1 (C-X3-C motif chemokine ligand 1).

Recommended Dilutions

WB	1:2000 - 1:5000
IP	0.5 μg-4 μg antibody for 400 μg-600 μg extracts of whole cells
IF-F	1:100 - 1:400
IHC-P	1:1000 - 1:4000
FC	1:100 - 1:500
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000),a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
20312

Swiss-Prot
O35188

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
ABCD-3; CX3C; Cxc3; D8Bwg0439e; FK; Scyd1

Contact

400-999-6126

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Product Information

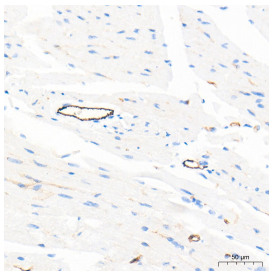
Source
Rabbit

Isotype
IgG

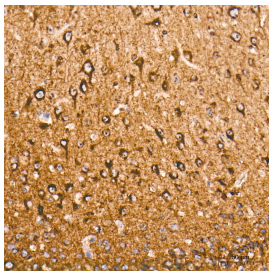
Purity
Affinity purification

Storage
Store at -20℃

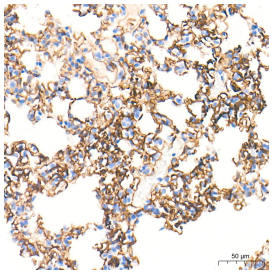
Validation Data



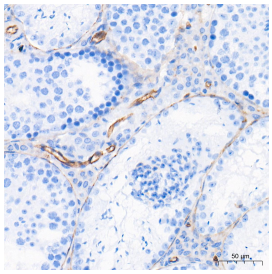
Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using CX3CL1 Rabbit mAb (A28511) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



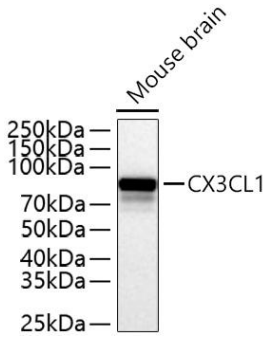
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using CX3CL1 Rabbit mAb (A28511) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



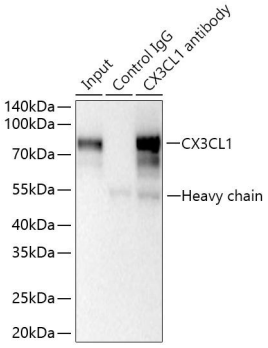
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using CX3CL1 Rabbit mAb (A28511) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



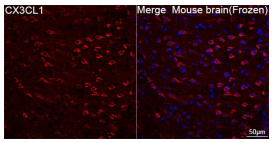
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using CX3CL1 Rabbit mAb (A28511) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



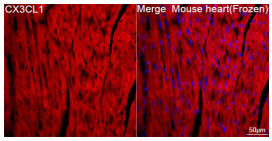
Western blot analysis of lysates from Mouse brain using CX3CL1 Rabbit mAb (A28511) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



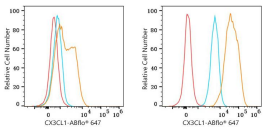
Immunoprecipitation of CX3CL1 from 600 µg extracts of Mouse brain tissue was performed using 2 µg of CX3CL1 Rabbit mAb (A28511). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CX3CL1 Rabbit mAb (A28511) at a dilution of 1:5000.



Confocal imaging of frozen sections of Mouse brain tissue using CX3CL1 Rabbit mAb (A28511, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Mouse heart tissue using CX3CL1 Rabbit mAb (A28511, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Flow cytometry: 1X10^6 NIH/3T3 cells (Low Expression,left) and B16-F10 cells (right) were surface-stained with CX3CL1 Rabbit mAb (A28511,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).