

CCRL2 Monoclonal antibody

 Catalog Number: 66611-1-Ig 3 Publications

Basic Information

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|--|--|---|
| Catalog Number: 66611-1-Ig | GenBank Accession Number: BC025717 | Purification Method: Protein G purification |
| Size: 1300 µg/ml | GeneID (NCBI): 9034 | CloneNo.: 2C1E11 |
| Source: Mouse | UNIPROT ID: O00421 | Recommended Dilutions: WB 1:1000-1:6000 IHC 1:400-1:1600 |
| Isotype: IgG1 | Full Name: chemokine (C-C motif) receptor-like 2 | |
| Immunogen Catalog Number: AG4045 | Calculated MW: 344 aa, 40 kDa | |
| | Observed MW: 47 kDa | |

Applications

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|--|---|
| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : HeLa cells, K-562 cells IHC : human spleen tissue, |
| Cited Applications: WB | |
| Species Specificity: Human | |
| Cited Species: human | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

Chemokine CC motif receptor-like 2 (CCRL2) is a seven-transmembrane domain receptor that shares structural and functional similarities with the family of atypical chemokine receptors (ACKRs) (PMID: 28743719). CCRL2 does not appear to be a signaling receptor, but may have a role in modulating chemokine-triggered immune responses by capturing and internalizing CCL19 or by presenting RARRES2 ligand to CMKLR1, a functional signaling receptors. CCRL2 has been found on almost all hemopoietic cells, including monocytes, macrophages, polymorphonuclear neutrophils (PMNs), T cells, dendritic cells, natural killer cells, and CD34+ progenitor cells, with PMNs expressing the highest levels (PMID: 15188357). CCRL2 is also expressed by barrier cells, such as lymphatic and blood endothelial cells and bronchial and intestinal epithelial cells (PMID: 29056935).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|-------------------|-------------|
| Deyu Li | 31853188 | Onco Targets Ther | WB |
| Ling Ding | 31830143 | PLoS Pathog | WB |
| Tianming Zhao | 37122736 | Front Immunol | WB |

Storage

Storage:
 Store at -20°C. Stable for one year after shipment.
Storage Buffer:
 PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

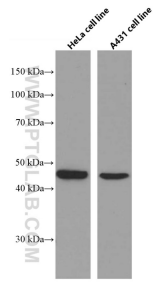
For technical support and original validation data for this product please contact:

T: 4006900926

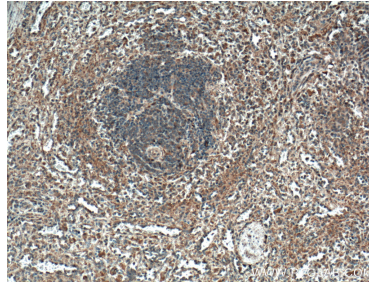
E: Proteintech-CN@ptglab.comW: ptgcn.com

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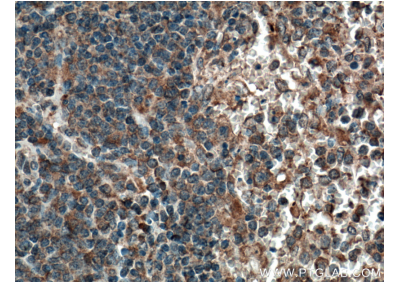
Selected Validation Data



HeLa cells and A431 cells were subjected to SDS PAGE followed by western blot with 66611-1-Ig (CCRL2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 66611-1-Ig (CCRL2 antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 66611-1-Ig (CCRL2 antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).