

CD200R1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16040b**Specification**

CD200R1 Antibody (C-term) - Product Information

| | |
|-------------------|--|
| Application | WB,E |
| Primary Accession | Q8TD46 |
| Other Accession | A5D7V5 , NP_620386.1 , NP_620385.1 |
| Reactivity | Human |
| Predicted | Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 39041 |
| Antigen Region | 275-303 |

CD200R1 Antibody (C-term) - Additional Information**Gene ID** 131450**Other Names**

Cell surface glycoprotein CD200 receptor 1, CD200 cell surface glycoprotein receptor, Cell surface glycoprotein OX2 receptor 1, CD200R1, CD200R, CRTR2, MOX2R, OX2R

Target/Specificity

This CD200R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-303 amino acids from the C-terminal region of human CD200R1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CD200R1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CD200R1 Antibody (C-term) - Protein Information**Name** CD200R1

Synonyms CD200R, CRTR2, MOX2R, OX2R

Function Inhibitory receptor for the CD200/OX2 cell surface glycoprotein. Limits inflammation by inhibiting the expression of pro- inflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli. Also binds to HHV-8 K14 viral CD200 homolog with identical affinity and kinetics as the host CD200.

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 2]: Secreted.

Tissue Location

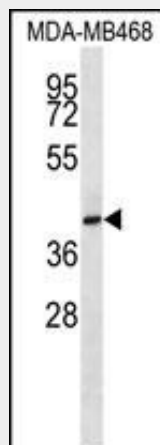
Expressed in granulocytes, monocytes, most T-cells, neutrophils, basophils and a subset of NK, NKT and B-cells (at protein level). Expressed in bone marrow, lymph nodes, spleen, lung, liver, spinal cord, kidney. Expressed in monocyte-derived dendritic and mast cells.

CD200R1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD200R1 Antibody (C-term) - Images



CD200R1 Antibody (C-term) (Cat. #AP16040b) western blot analysis in MDA-MB468 cell line lysates (35ug/lane). This demonstrates the CD200R1 antibody detected the CD200R1 protein (arrow).

CD200R1 Antibody (C-term) - Background

This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and

the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants.

CD200R1 Antibody (C-term) - References

Luo, X.G., et al. Neurochem. Res. 35(4):540-547(2010)
Mihirshahi, R., et al. J. Immunol. 183(8):4879-4886(2009)
Koning, N., et al. J. Neuropathol. Exp. Neurol. 68(2):159-167(2009)
Meuth, S.G., et al. J. Neuroimmunol. 194 (1-2), 62-69 (2008) :
Wang, X.J., et al. J Neuroimmune Pharmacol 2(3):259-264(2007)