



OX2R Polyclonal Antibody

Catalog No	BYab-13956
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CD200R1
Protein Name	Cell surface glycoprotein CD200 receptor 1
Immunogen	The antiserum was produced against synthesized peptide derived from human MOX2R. AA range:241-290
Specificity	OX2R Polyclonal Antibody detects endogenous levels of OX2R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD200R1; CD200R; CRTR2; MOX2R; OX2R; Cell surface glycoprotein CD200 receptor 1; CD200 cell surface glycoprotein receptor; Cell surface glycoprotein OX2 receptor 1
Observed Band	37kD
Cell Pathway	[Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 4]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.; [Isoform 3]: Secreted.
Tissue Specificity	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.
Function	function:Receptor for the CD200/OX2 cell surface glycoprotein. Also binds to HHV-8 K14 viral CD200 homolog with identical affinity and kinetics as the host CD200.,PTM:The mature form of isoform 2 and/or isoform 4 starts at sequence position 27 of the corresponding isoform.,similarity:Belongs to the CD200R family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like)

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domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like)
domain.,subunit:Interacts with Human herpesvirus 8 vOX2 protein.,tissue
specificity: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.,

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. [provided by RefSeq, Jul 2008],

matters needing attention

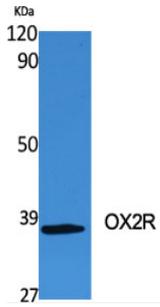
Avoid repeated freezing and thawing!

Usage suggestions

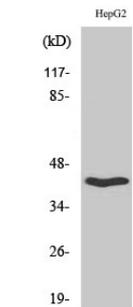
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



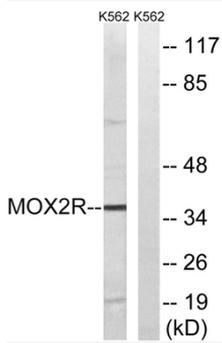
Products Images



Western Blot analysis of K562 cells using OX2R Polyclonal Antibody



Western Blot analysis of HepG2 cells using OX2R Polyclonal Antibody



Western blot analysis of lysates from K562 cells, using MOX2R Antibody. The lane on the right is blocked with the synthesized peptide.