

OX2R Polyclonal Antibody

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|------------------------------|---|
| Catalog No : | YT3478 |
| Reactivity : | Human;Rat;Mouse; |
| Applications : | WB;ELISA |
| Target : | OX2R |
| Fields : | >>Kaposi sarcoma-associated herpesvirus infection |
| Gene Name : | CD200R1 |
| Protein Name : | Cell surface glycoprotein CD200 receptor 1 |
| Human Gene Id : | 131450 |
| Human Swiss Prot No : | Q8TD46 |
| Mouse Swiss Prot No : | Q9ES57 |
| 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 |
| Dilution : | WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications. |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |

Observed Band : 37kD

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],

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) 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.,

Subcellular Location : [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.

Expression : 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.

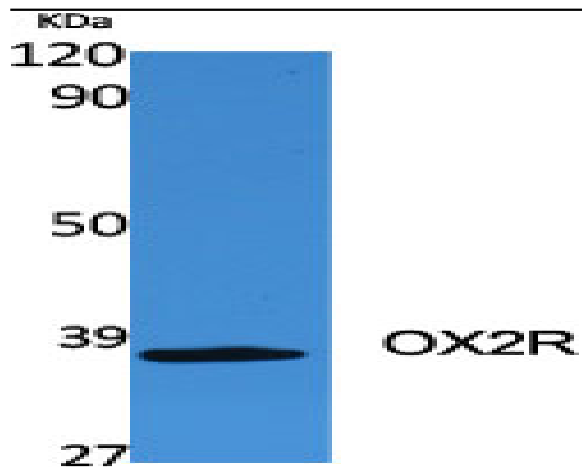
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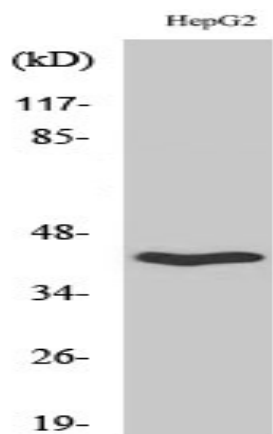
Host : Rabbit

Modifications : Unmodified

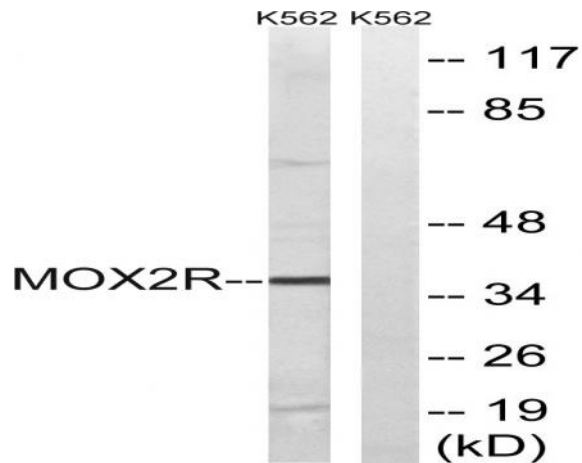
Products Images



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.