

Orexin R-1 Polyclonal Antibody

Catalog No: YT3471

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: Orexin R-1

Fields: >>Neuroactive ligand-receptor interaction

Gene Name: HCRTR1

Protein Name: Orexin receptor type 1

Human Gene Id: 3061

Human Swiss Prot

O43613

No:

Mouse Gene ld: 230777

Mouse Swiss Prot

No:

P58307

Rat Gene ld: 25593

Rat Swiss Prot No: P56718

Immunogen: The antiserum was produced against synthesized peptide derived from human

HCRTR1. AA range:231-280

Specificity: Orexin R-1 Polyclonal Antibody detects endogenous levels of Orexin R-1

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: 1:5000. Not yet tested in other applications.

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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: 50kD

Cell Pathway: Neuroactive ligand-receptor interaction;

Background: The protein encoded by this gene is a G-protein coupled receptor involved in the

regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq,

Jan 2009],

Function: function: Moderately selective excitatory receptor for orexin-A and, with a lower

affinity, for orexin-B neuropeptide. Seems to be exclusively coupled to the $G(\boldsymbol{q})$

subclass of heteromeric G proteins, which activates the phospholipase C mediated signaling cascade.,similarity:Belongs to the G-protein coupled receptor

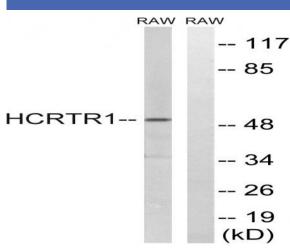
1 family.,

Subcellular Location :

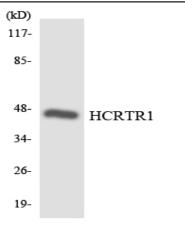
Cell membrane ; Multi-pass membrane protein .

Expression: Brain,

Products Images



Western blot analysis of lysates from RAW264.7 cells, using HCRTR1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using HCRTR1 antibody.