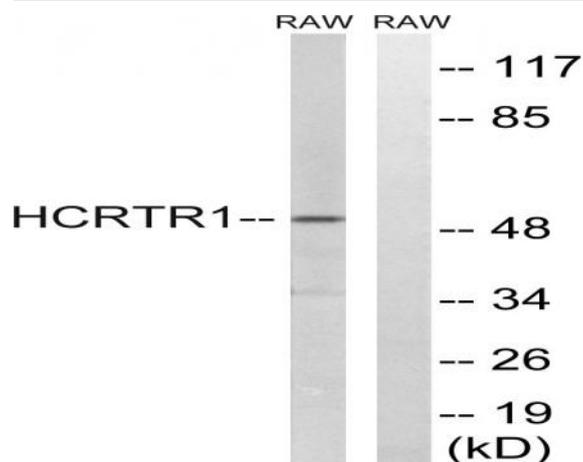


Orexin R-1 Polyclonal Antibody

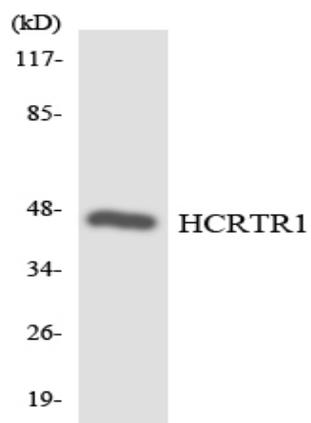
Catalog No :	YT3471
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	Orexin R-1
Fields :	>>Neuroactive ligand-receptor interaction
Gene Name :	HCRTR1
Protein Name :	Orexin receptor type 1
Human Gene Id :	3061
Human Swiss Prot No :	O43613
Mouse Gene Id :	230777
Mouse Swiss Prot No :	P58307
Rat Gene Id :	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.

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(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.