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Rabbit Anti-Orexin receptor 1+2 antibody

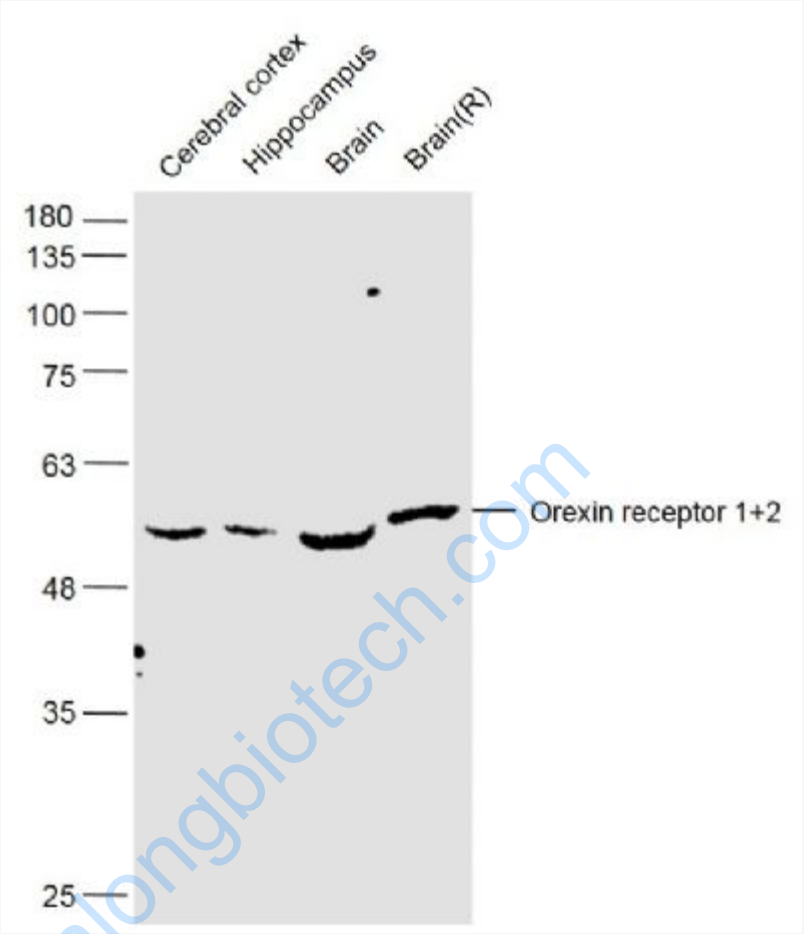
SL1095R

Product Name:	Orexin receptor 1+2
Chinese Name:	丘脑分泌素受体1+2/食欲素受体1+2抗体
Alias:	Orexin Receptor 1 and 2; Orexin receptor 1 + 2; Orexin Receptor 2; HCRTR 1; HCRTR1; Hypocretin receptor type 1; Orexin receptor type 1; Ox-1-R; Ox1-R; Ox1r; OX1R_HUMAN; Hcrtr2; Hypocretin (orexin) receptor 2; Hypocretin receptor 2; Hypocretin receptor type 2; Orexin receptor 2; Orexin receptor type 2; Ox-2-R; Ox2-R; Ox2r; OX2R_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Orexin receptor 1/2:321-425/444<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic

	neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq, Jan 2009] **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. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **SWISS:** O43614 **Gene ID:** 3061 **Database links:** Entrez Gene: 3061 Human Entrez Gene: 230777 Mouse Entrez Gene: 25593 Rat Omim: 602392 Human SwissProt: O43613 Human SwissProt: P58307 Mouse SwissProt: P56718 Rat Unigene: 388226 Human Unigene: 246595 Mouse Unigene: 88262 Rat Entrez Gene: 3062 Human Entrez Gene: 387285 Mouse

	Entrez Gene: 25605 Rat Omim: 602393 Human SwissProt: O43614 Human SwissProt: P58308 Mouse SwissProt: P56719 Rat Unigene: 151624 Human Unigene: 699147 Human Unigene: 335300 Mouse Unigene: 9893 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 食欲素受体(OXR)Orexin receptor—是一种G蛋白偶合受体. 下丘脑是调节饮食及能量平衡的中枢.学者认为:在下丘脑可促进食欲且来源于同一前体的两种新神经肽:食欲素A和B,它们可激活两种密切相关且与G蛋白偶联的细胞表面受体(OX1R,OX2R).含Orexin的神经细胞在下丘脑腹外侧呈对称的不连贯分布. 在饮食反馈调节中具有重要作用.食欲素与其它影响进食的神经肽之间存在错综复杂的关系.它在增加摄食、饮水、调节睡眠觉醒周期、生殖、体温、血压和感觉等方面有广泛作用.

Picture:



Sample:

Cerebral cortex (Mouse) Lysate at 40 ug

Hippocampus (Mouse) Lysate at 40 ug

Brain (Mouse) Lysate at 40 ug

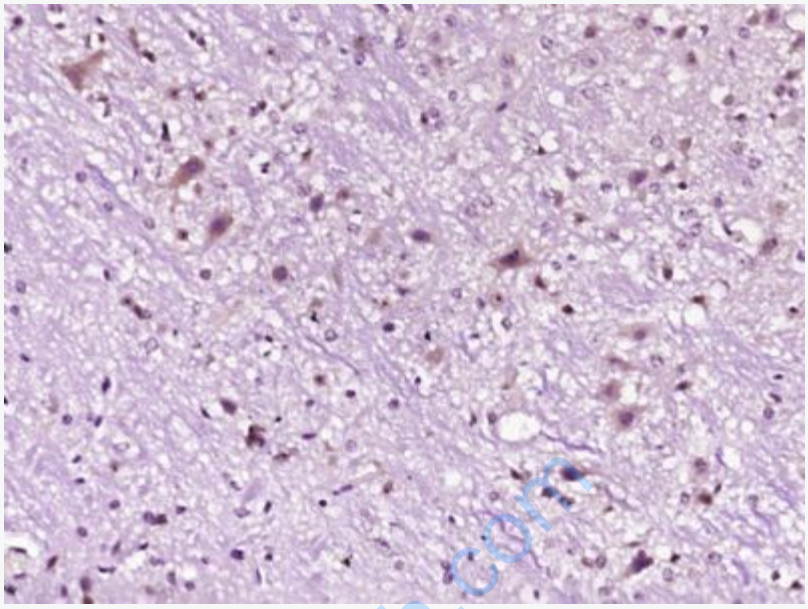
Brain (Rat) Lysate at 40 ug

Primary: Anti- Orexin receptor 1+2 (SL1095R) at 1/500 dilution

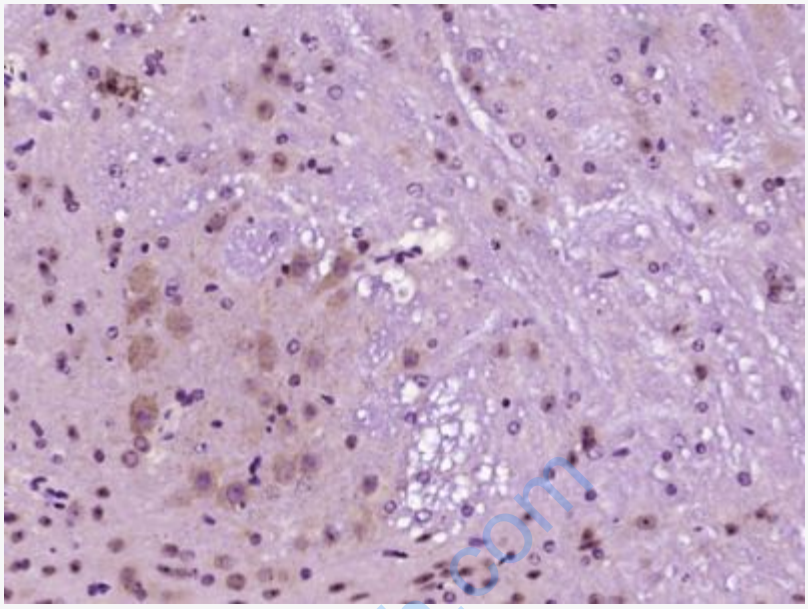
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50 kD

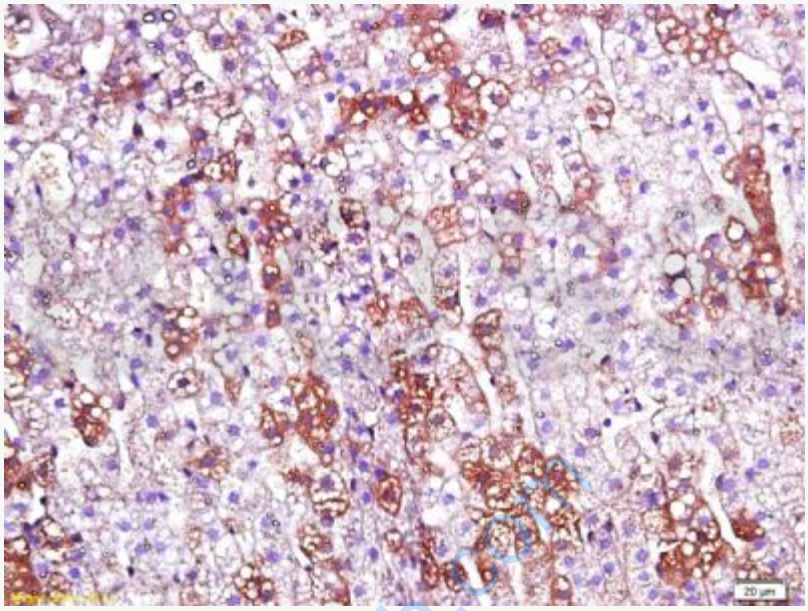
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse Cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Orexin receptor 1+2) Polyclonal Antibody, Unconjugated (SL1095R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



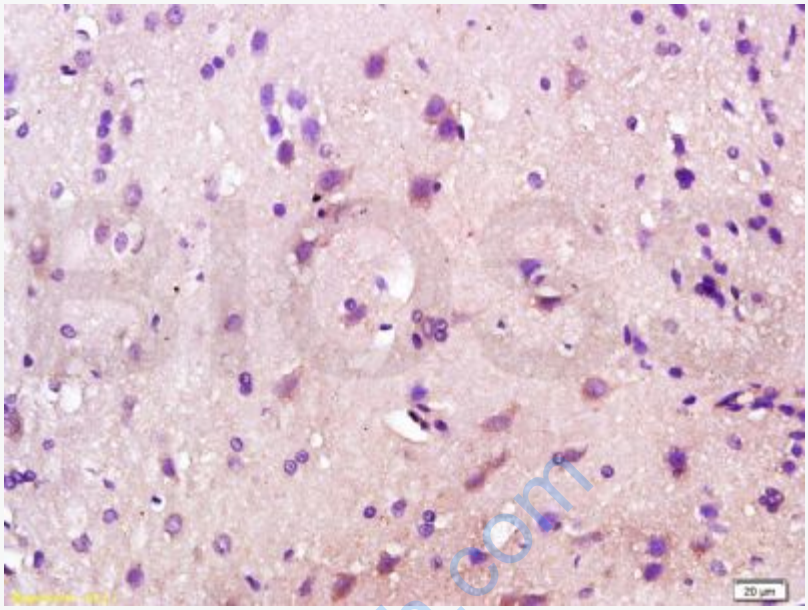
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Orexin receptor 1+2) Polyclonal Antibody, Unconjugated (SL1095R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-CD200R/Orexin receptor Polyclonal Antibody, Unconjugated(SL1095R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-CD200R/Orexin receptor Polyclonal Antibody, Unconjugated(SL1095R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining