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Product datasheet for TA303362

Orexin Receptor 1 (HCRTR1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1:32,000. WB: 0.3-1µg/ml.
Reactivity:	Human, Mouse, Rat (Expected from sequence similarity: Dog, Pig, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-YNFLSGKFREQFK, from the internal region of the protein sequence according to NP_001516.1; NP_001517.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	hypocretin receptor 1
Database Link:	NP_001516 Entrez Gene 25593 RatEntrez Gene 230777 MouseEntrez Gene 100855896 DogEntrez Gene 3061 Human O43613
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]
Synonyms:	OX1R

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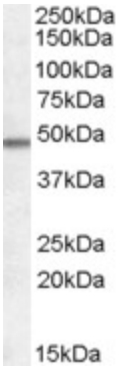
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



TA303362 (0.5ug/ml) staining of Frontal Cortex lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

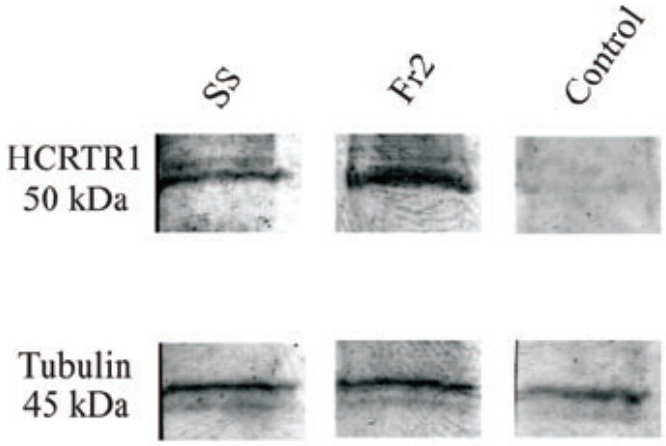


Figure from citation: Western Blot of HCRTR1 protein level by using anti-HCRTR1 antibody in mouse membrane fractions. Dilution: 1:500 View Citation

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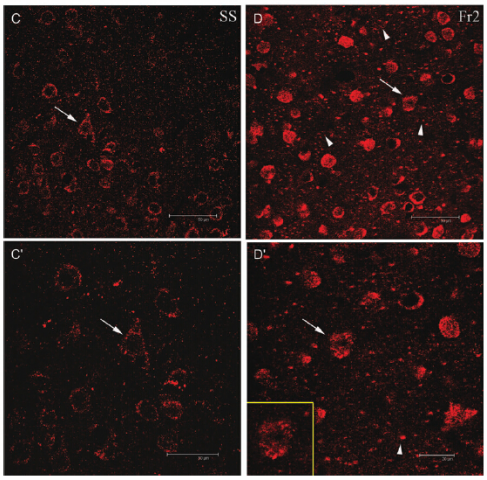

ICC analysis of HCRTR-1 expression by using anti-HCRTR1 antibody. In layer V of SS (C), the HCRTR-1 granular immunoreactivity was detected at the level of neuronal cell bodies based on morphology (arrows). (C') gives a higher magnification detail of (C). In layer V of Fr2 (D), the HCRTR-1 positive (+) signal was more intense than in SS (arrows and inset in D'), but also in neuropilar processes of different caliber (arrowheads). (D') gives a higher magnification detail of (C). Dilution: 1:150

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