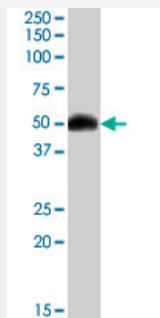


HCRT2 polyclonal antibody

Catalog # PAB7387

Size 100 ug

Applications



Western Blot (Tissue lysate)

HCRT2 polyclonal antibody (Cat # PAB7387) (1 ug/mL) staining of human brain (hippocampus) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of HCRT2.

Immunogen A synthetic peptide corresponding to human HCRT2.

Sequence SGTKLEDSPPCRN

Host Goat

Theoretical MW (kDa) 50.7

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:32000)
Western Blot (1-3 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HCRT2

Entrez GeneID	3062
Protein Accession#	NP_001517.1
Gene Name	HCRT2
Gene Alias	OX2R
Gene Description	hypocretin (orexin) receptor 2
Omim ID	602393
Gene Ontology	Hyperlink
Gene Summary	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 (HCRT1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq
Other Designations	OTTHUMP00000017762 OTTHUMP00000039969 hypocretin receptor-2 prexin receptor 2

Publication Reference

- [Preproorexin and orexin receptors are expressed in cortisol-secreting adrenocortical adenomas, and orexins stimulate in vitro cortisol secretion and growth of tumor cells.](#)

Spinazzi R, Rucinski M, Neri G, Malendowicz LK, Nussdorfer GG.

The Journal of Clinical Endocrinology and Metabolism 2005 Jun; 90(6):3544.

Application: WB-Ti, Human, adrenal cortex

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cluster Headache](#)
- [Diabetes Mellitus](#)
- [Disorders of Excessive Somnolence](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyponatremia](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Narcolepsy](#)
- [NARP](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)

- [Tourette Syndrome](#)