

A9821

Leader in Biomolecular Solutions for Life Science



HCRT Rabbit pAb

Catalog No.: A9821

Basic Information

Observed MW

14kDa

Calculated MW

13kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a hypothalamic neuropeptide precursor protein that gives rise to two mature neuropeptides, orexin A and orexin B, by proteolytic processing. Orexin A and orexin B, which bind to orphan G-protein coupled receptors HCRT1 and HCRT2, function in the regulation of sleep and arousal. This neuropeptide arrangement may also play a role in feeding behavior, metabolism, and homeostasis.

Recommended Dilutions

WB 1:100 - 1:500

Immunogen Information

Gene ID

3060

Swiss Prot

O43612

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 34-66 of human HCRT (NP_001515.1).

Synonyms

OX; PPOX; NRCLP1; HCRT

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

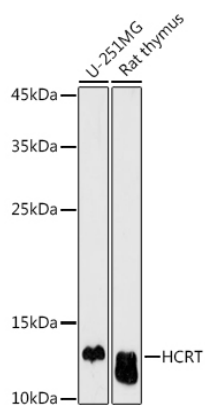
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using HCRT antibody (A9821) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180s.