



Mouse anti-Human HCRT2 monoclonal antibody, clone 2F4 (CABT-B10389)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HCRT2 (NP_001517, 1 a.a. ~ 55 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2F4
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA,RNAi Knockdown
Sequence Similarities	MSGTKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHPKEYE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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
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orexin A. [provided by RefSeq, Jan 2009]

Keywords

HCRT2R; hypocretin (orexin) receptor 2; OX2R; orexin receptor type 2; ox2-R; ox-2-R; orexin type-2 receptor; hypocretin receptor type 2;

GENE INFORMATION

Entrez Gene ID

[3062](#)

UniProt ID

[O43614](#)

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem

Function

G-protein coupled receptor activity; neuropeptide receptor activity; orexin receptor activity; peptide hormone binding; receptor activity
