

Orexin receptor 1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2448a**Specification**

Orexin receptor 1 Antibody (internal region) - Product Information

Application	WB
Primary Accession	O43613
Other Accession	NP_001516.1 , 3061
Reactivity	Human
Predicted	Mouse, Rat, Dog, Sheep
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	47536

Orexin receptor 1 Antibody (internal region) - Additional Information**Gene ID** 3061**Other Names**

Orexin receptor type 1, Ox-1-R, Ox1-R, Ox1R, Hypocretin receptor type 1, HCRTR1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Orexin receptor 1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Orexin receptor 1 Antibody (internal region) - Protein Information**Name** HCRTR1 ([HGNC:4848](#))**Function**

Moderately selective excitatory receptor for orexin-A and, with a lower affinity, for orexin-B neuropeptide (PubMed:[9491897](http://www.uniprot.org/citations/9491897), PubMed:[26950369](http://www.uniprot.org/citations/26950369)). Triggers an increase in cytoplasmic Ca(2+) levels in response to orexin-A binding (PubMed:[9491897](http://www.uniprot.org/citations/9491897), PubMed:[26950369](http://www.uniprot.org/citations/26950369)).

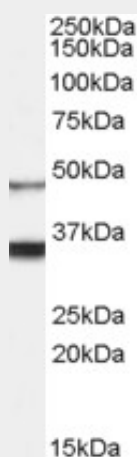
Cellular Location

Cell membrane; Multi-pass membrane protein

Orexin receptor 1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Orexin receptor 1 Antibody (internal region) - Images

AF2448a (0.1 µg/ml) staining of Human Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Orexin receptor 1 Antibody (internal region) - References

Orexin loss in Huntington's disease. Petersen A, Gil J, Maat-Schieman ML, Bjorkqvist M, Tanila H, Araujo IM, Smith R, Popovic N, Wierup N, Norlen P, Li JY, Roos RA, Sundler F, Mulder H, Brundin P. Hum Mol Genet. 2005 Jan 1;14(1):39-47. Epub 2004 Nov 03. PMID: 15525658