

Orexin-A Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251550

Unit: 0.1 mg

Description:

Orexin-A is a neuropeptide that plays a significant role in the regulation of food intake and sleep-wakefulness, possibly by coordinating the complex behavioral and physiological responses of these complementary homeostatic functions. Orexin-A binds to both OX1R and OX2R with a high affinity, whereas orexin-B binds only to OX2R with a similar high affinity. Defects in orexin-A are a cause of narcolepsy. Narcolepsy is a neurological disabling sleep disorder, characterized by excessive daytime sleepiness, sleep fragmentation, symptoms of abnormal rapid-eye-movement (REM) sleep, such as cataplexy, hypnagogic hallucinations, and sleep paralysis. Orexins are absent and/or greatly diminished in the brain and cerebrospinal fluid (CSF) of most narcoleptic patients.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

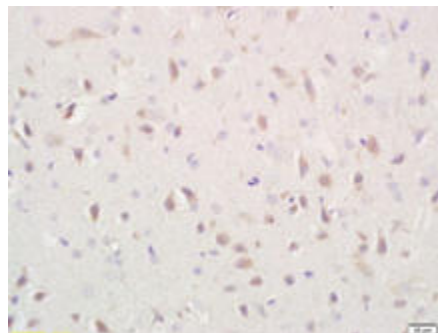
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Orexin; Hypocretin; Hcrt; Orexin-A; Hypocretin-1; Hcrt1; HCRT; OX; PPORX; PPOX

Accession No.: O43612

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human orexin-A.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



Orexin-A staining in rat brain. Formalin-fixed paraffin-embedded rat brain is stained with Orexin-A Antibody (Cat. No. 251550) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.