

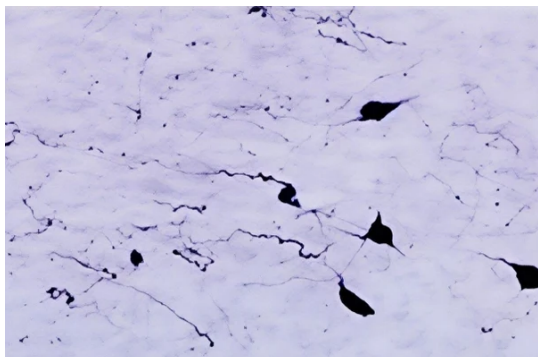
Anti-Orexin-A Antibody



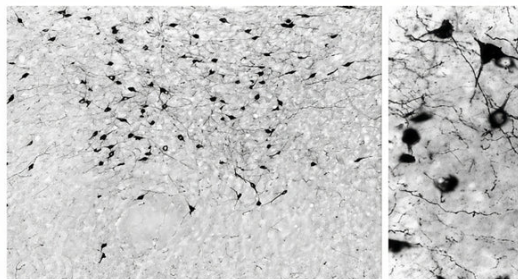
Product Details

Available Variants	100 µL (SKU:R-104-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	IHC
Dilution Ranges	IHC: 1:1000-1:2000
Species Reactivity	Bovine, Rat
Immunogen	A synthetic peptide (CRLYELLHGAGNHAAGILTL) as part of Bovine Orexin A (aa: 14-33) conjugated to KLH has been used as the immunogen.
Specificity	The specificity for this antiserum has been confirmed by immunohistochemistry on rat brain and the results reflect the current literature. This antibody is known to react with rat Orexin A.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
UniProt ID	P56717
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).

Product Images



Biosensis R-104-100 cleanly labels individual orexin A-positive neuronal somata and processes in the rat hypothalamic/zona incerta region, providing crisp cellular detail with minimal background. The antibody resolves the morphology of individual orexinergic neurons, including cell bodies and projecting processes, with little distracting background. The antibody is valuable for researchers studying orexin-system anatomy, arousal and sleep-wake circuitry, feeding, and hypothalamic network organization.



Orexin A-immunoreactive cell bodies and fibers were visualized in floated cryostat sections of the rat lateral hypothalamus. Left: lower-power image; right: higher-magnification image demonstrating excellent neuronal definition by the antibody. Numerous intensely labeled orexin A-immunoreactive somata are observed, accompanied by clearly resolved processes and a rich surrounding fiber network, with low background and excellent contrast. The staining highlights the characteristic distribution and morphology of orexinergic neurons in the lateral hypothalamic region. The R-104-100 antibody (1:50 000) was detected with the biotinylated secondary antibody ABC method and nickel diaminobenzidine chromogen. Photo courtesy of Dr. Erik Hrabovszky, Hungarian Academy of Sciences, Budapest, Hungary.

Product Page URL: www.antibodiesinc.com/products/anti-orexin-a-antibody-r-104-100

