

Datasheet: 7049-5020

BATCH NUMBER 1710

Description:	SHEEP ANTI HUMAN OREXIN A
Specificity:	OREXIN A
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	■			
Immunohistology - Paraffin	■			
ELISA	■			1/20 - 1/100

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Rhesus Monkey, Rat, Rabbit, Pig, Mouse, Horse, Dog, Chimpanzee, Bovine N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Synthetic peptide, PLPDCCRQKTCSC, corresponding to amino acids 2-14 of human orexin A conjugated to KLH.
External Database Links	<p>UniProt: O43612 Related reagents</p> <p>Entrez Gene: 3060 HCRT Related reagents</p>
Synonyms	OX, PPORX, PPOX
RRID	AB_2117635
Specificity	<p>Sheep anti Human orexin A antibody recognizes the human orexin A subunit of orexin, also known as hypocretin. Orexin is cleaved into Orexin A, also known as hypocretin-1, a 32 amino acid excitatory neuropeptide linked to alertness and wakefulness in humans. Orexin A binds to both orexin receptors 1 and 2 with similar affinity whilst orexin B corresponding to the C terminal region of the holoepitope binds only to the orexin receptor 2.</p> <p>Mutations in the orexin gene can lead to the development of Narcolepsy 1 (NRCLP1), a condition characterized by sleep fragmentation and daytime drowsiness, abnormal REM sleep and sleep paralysis along with other sleep related symptoms (Peyron et al. 2000).</p> <p>Sheep anti Human orexin A antibody is a useful reagent for immunohistochemistry on formalin fixed, paraffin embedded tissue sections.</p>
Histology Positive Control Tissue	Hypothalamus
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/7049-5020</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M363404:200528'

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