

## Product datasheet for **TA323159**

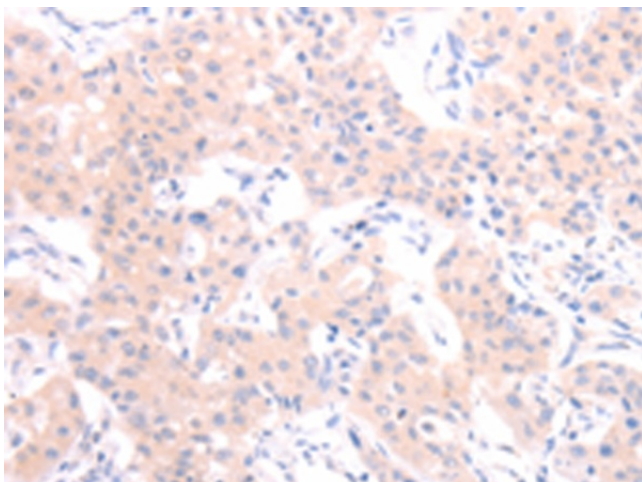
### Orexin (HCRT) Rabbit Polyclonal Antibody

#### Product data:

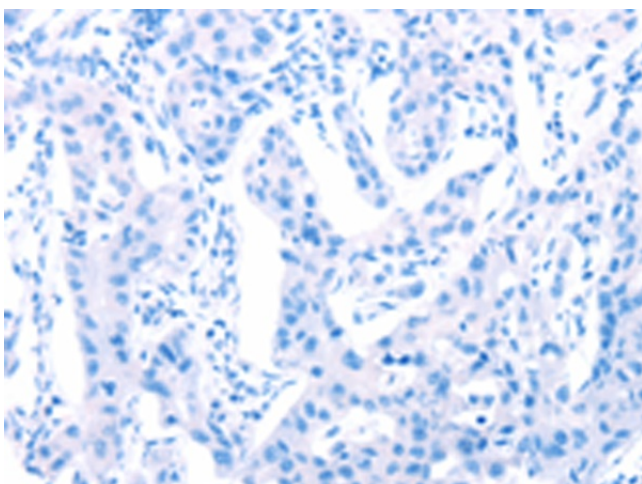
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human lung cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 2-15 amino acids of human hypocretin (orexin) neuropeptide precursor
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	hypocretin (orexin) neuropeptide precursor
Database Link:	<a href="#">NP_001515</a> <a href="#">Entrez Gene 15171 Mouse</a> <a href="#">Entrez Gene 25723 Rat</a> <a href="#">Entrez Gene 3060 Human</a> <a href="#">O43612</a>
Background:	This gene encodes a hypothalamic neuropeptide precursor protein that gives rise to two mature neuropeptides; orexin A and orexin B; by proteolytic processing. Orexin A and orexin B; which bind to orphan G-protein coupled receptors HCRT1 and HCRT2; function in the regulation of sleep and arousal. This neuropeptide arrangement may also play a role in feeding behavior; metabolism; and homeostasis.
Synonyms:	NRCLP1; OX; PPOX
Protein Families:	Druggable Genome, Transmembrane



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**Product images:**

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323159 (HCRT/pan Orexin Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323159 (HCRT/pan Orexin Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)