



# Anti-HCRT (aa 2-14) polyclonal antibody (CPBT-66594SH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This product is specific for human orexin A, an excitatory neuropeptide linked to alertness and wakefulness in humans.
<b>Specificity</b>	OREXIN A
<b>Immunogen</b>	Synthetic peptide, PLPDCCRQKTCSC, corresponding to amino acids 2-14 of human orexin A conjugated to KLH.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Human, Bovine, Chimpanzee, Dog, Horse, Mouse, Pig, Rabbit, Rat, Rhesus monkey
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; ELISA; IHC-P
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	1 ml
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. 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.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HCRT hypocretin (orexin) neuropeptide precursor [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	HCRT
<b>Synonyms</b>	HCRT; hypocretin (orexin) neuropeptide precursor; OX; PPOX; NRCLP1; orexin; prepro-orexin; OREXIN A;
<b>Entrez Gene ID</b>	<a href="#">3060</a>
<b>Protein Refseq</b>	<a href="#">NP_001515</a>
<b>UniProt ID</b>	O43612
<b>Chromosome Location</b>	17q21
<b>Pathway</b>	Class A/1 (Rhodopsin-like receptors); Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; G alpha (q) signalling events; GPCR downstream signaling; GPCR ligand binding; Gastrin-CREB signalling pathway via PKC and MAPK; Metabolic disorders of biological oxidation enzymes;
<b>Function</b>	type 1 hypocretin receptor binding; type 2 hypocretin receptor binding;