



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

Product Overview	This product is specific for human orexin A, an excitatory neuropeptide linked to alertness and wakefulness in humans.
Specificity	OREXIN A
Immunogen	Synthetic peptide, PLPDCCRQKTCSC, corresponding to amino acids 2-14 of human orexin A conjugated to KLH.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human, Bovine, Chimpanzee, Dog, Horse, Mouse, Pig, Rabbit, Rat, Rhesus monkey
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; IHC-P
Format	Purified IgG - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	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

Gene Name	HCRT hypocretin (orexin) neuropeptide precursor [Homo sapiens (human)]
Official Symbol	HCRT
Synonyms	HCRT; hypocretin (orexin) neuropeptide precursor; OX; PPOX; NRCLP1; orexin; prepro-orexin; OREXIN A;
Entrez Gene ID	3060
Protein Refseq	NP_001515
UniProt ID	O43612
Chromosome Location	17q21
Pathway	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;
Function	type 1 hypocretin receptor binding; type 2 hypocretin receptor binding;