



Anti-OPN4 (aa 455-474) polyclonal antibody (CPBT-37539RR)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Rat OPN4.
Antigen Description	visual pigment of phototransducing retinal ganglion cells involved in setting the circadian clock
Specificity	Eye. Expression is restricted within the ganglion and amacrine cell layers of the retina.
Immunogen	Synthetic peptide: EQKSKTPKTKRHLP SLDRRM, corresponding to amino acids 455-474 of Melanopsin.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IF, IHC-Fr, IHC-P, WB
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.
Cellular Localization	Membrane. Found in soma, dendrites and proximal part of axons of certain retinal ganglion cells.
Format	Liquid
Size	100 µg
Buffer	Preservative: 0.05% Sodium Azide Constituents: PBS, 1mg/ml BSA

Preservative	0.05% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	Opn4 opsin 4 [Rattus norvegicus]
Official Symbol	OPN4
Synonyms	OPN4; opsin 4; melanopsin; Melanopsin; MGC142118; MOP; OPN 4; OPN4; OPN4_HUMAN; Opsin 4; Opsin-4; Opsin4; opsin-4;
Entrez Gene ID	192223
Protein Refseq	NP_620215
UniProt ID	Q8R456
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Opsins, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	11-cis retinal binding; 11-cis retinal binding; G-protein coupled photoreceptor activity; G-protein coupled photoreceptor activity; receptor activity; signal transducer activity;