



Anti-OPN4 polyclonal antibody (DPABT-H23276)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Opn4 Polyclonal Antibody
Antigen Description	Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This gene encodes a photoreceptive opsin protein that is expressed within the ganglion and amacrine cell layers of the retina. In mouse, retinal ganglio
Specificity	Specific for opsin-4.
Target	Opn4
Immunogen	A synthetic peptide from mouse opsin-4 (OPN4, melanopsin, MOP, Mopn) conjugated to an immunogenic carrier protein was used as the antigen.
Isotype	Whole serum
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Whole serum
Conjugate	Unconjugated
Reconstitution	Reconstitute in 100 µl of sterile water. Centrifuge to remove any insoluble material.
Format	Lyophilised
Size	100 µl
Preservative	None

Storage	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Ship	This item will be shipped to you at ambient temperature in a lyophilised form.

GENE INFORMATION

Gene Name	Opn4 opsin 4 (melanopsin) [Mus musculus]
Official Symbol	Opn4
Synonyms	OPN4; opsin 4 (melanopsin); melanopsin; opsin-4; Gm533; 1110007J02Rik;
Entrez Gene ID	30044
Protein Refseq	NP_001122071
UniProt ID	Q9QXZ9
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;
Function	11-cis retinal binding; G-protein coupled photoreceptor activity; G-protein coupled photoreceptor activity; G-protein coupled receptor activity; photoreceptor activity; receptor activity; signal transducer activity;