OPN1LW rabbit monoclonal antibody

Catalog # H00005956-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human OPN1LW peptide using ARM Technology.
Immunogen	A synthetic peptide of human OPN1LW is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human OPN1LW peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — OPN1LW

Entrez GeneID	5956
GeneBank Accession#	OPN1LW
Gene Name	OPN1LW
Gene Alias	CBBM, CBP, RCP
Gene Description	opsin 1 (cone pigments), long-wave-sensitive
Omim ID	303700 303900
Gene Ontology	Hyperlink
Gene Summary	This gene encodes for a light absorbing visual pigment of the opsin gene family. The encoded pro tein is called red cone photopigment or long-wavelength sensitive opsin. Opsins are G-protein co upled receptors with seven transmembrane domains, an N-terminal extracellular domain, and a C -terminal cytoplasmic domain. This gene and the medium-wavelength opsin gene are tandemly ar rayed on the X chromosome and frequent unequal recombination and gene conversion may occur between these sequences. X chromosomes may have fusions of the medium- and long-wavelengt h opsin genes or may have more than one copy of these genes. Defects in this gene are the caus e of partial, protanopic colorblindness. [provided by RefSeq
Other Designations	OTTHUMP00000032193|red cone photoreceptor pigment|red-sensitive opsin

Disease

- Genetic Predisposition to Disease
- Retinal Diseases
- Sarcoidosis