

Datasheet for ABIN651110
anti-OPN1MW antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	OPN1MW
Binding Specificity:	AA 21-50, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPN1MW antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This OPN1MW antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human OPN1MW.
Clone:	RB24518
Isotype:	Ig Fraction
Predicted Reactivity:	Rat, C, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	OPN1MW
Alternative Name:	OPN1MW (OPN1MW Products)

Target Details

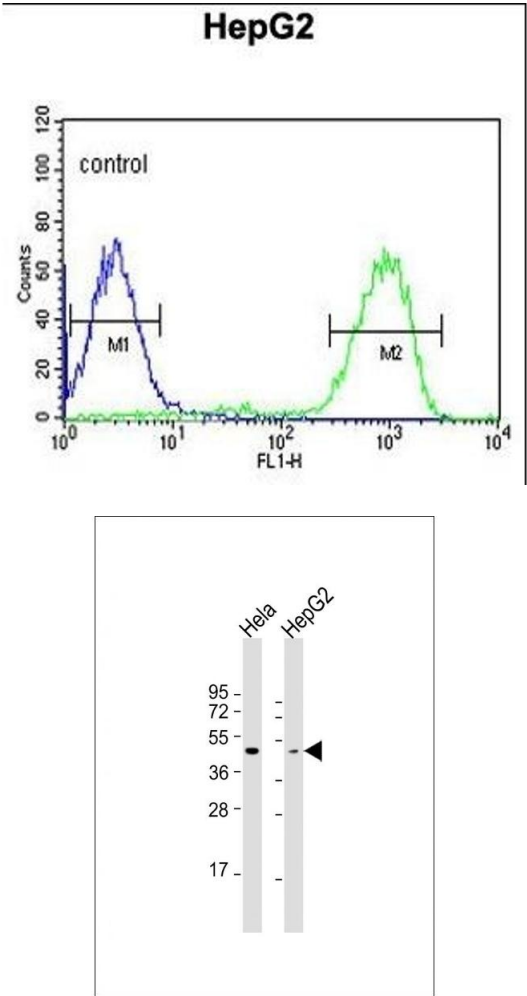
Background:	OPN1MW encodes for a light absorbing visual pigment of the opsin gene family. The encoded protein is called green cone photopigment or medium-wavelength sensitive opsin. Opsins are G-protein coupled receptors with seven transmembrane domains, an N-terminal extracellular domain, and a C-terminal cytoplasmic domain. The long-wavelength opsin gene and multiple copies of the medium-wavelength opsin gene are tandemly arrayed 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-wavelength opsin genes or may have more than one copy of these genes. Defects in this gene are the cause of deutanopic colorblindness.
Molecular Weight:	40584
Gene ID:	728458
NCBI Accession:	NP_000504 , NP_001041646
UniProt:	P04001
Pathways:	Phototransduction

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. OPN1MW Antibody (N-term) (ABIN651110 and ABIN2840076) flow cytometric analysis of HepG2 K10cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. All lanes : Anti-OPN1MW Antibody (N-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.