

Immunotag™ OPSG Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN2742
Product Description	Immunotag™ OPSG Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	OPSG
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 200-280
Specificity	OPSG Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	OPN1MW GCP; OPN1MW2
Accession No.	P04001 O35599 O35476

Antibody Specification

Description	opsin 1 (cone pigments), medium-wave-sensitive(OPN1MW) Homo sapiens This gene 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. [provided by RefSeq, Mar 2009],
Protein Expression	Retinal cone cell,
Subcellular Localization	photoreceptor outer segment,plasma membrane,integral component of plasma membrane,integral component of membrane,photoreceptor outer segment membrane,
Protein Function	disease:Defects in OPN1MW are the cause of partial colorblindness deutan series (CBD) [MIM:303800]; also called deuteranopia.,function:Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal.,online information:Retina International's Scientific Newsletter,PTM:Phosphorylated on some or all of the serine and threonine residues present in the C-terminal region.,similarity:Belongs to the G-protein coupled receptor 1 family.,similarity:Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.,tissue specificity:The three color pigments are found in the cone photoreceptor cells.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.