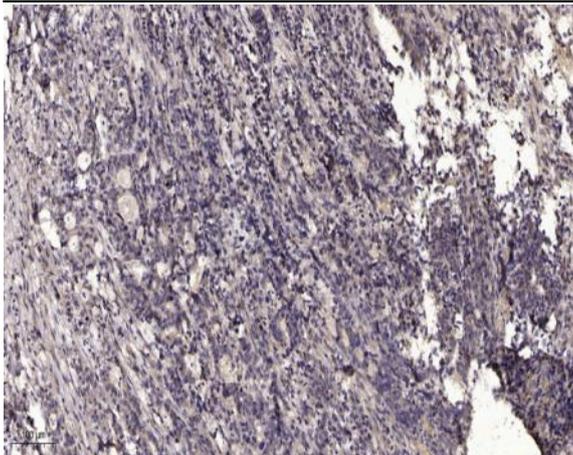


SWS rabbit pAb

Catalog No :	YT7934
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	SWS
Gene Name :	OPN1SW BCP
Protein Name :	SWS
Human Gene Id :	611
Human Swiss Prot No :	P03999
Mouse Gene Id :	12057
Mouse Swiss Prot No :	P51491
Rat Gene Id :	81644
Rat Swiss Prot No :	Q63652
Immunogen :	Synthesized peptide derived from human SWS
Specificity :	This antibody detects endogenous levels of Human SWS
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	38kD
Background :	This gene belongs to the G-protein coupled receptor 1 family, opsin subfamily. It encodes the blue cone pigment gene which is one of three types of cone photoreceptors responsible for normal color vision. Defects in this gene are the cause of tritan color blindness (tritanopia). Affected individuals lack blue and yellow sensory mechanisms while retaining those for red and green. Defective blue vision is characteristic. [provided by RefSeq, Jul 2008],
Function :	disease:Defects in OPN1SW are the cause of tritan color blindness (tritanopia) [MIM:190900].,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.,
Subcellular Location :	Cell membrane ; Multi-pass membrane protein . Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Cytoplasm, perinuclear region .
Expression :	The three color pigments are found in the cone photoreceptor cells (PubMed:2937147). Expressed throughout the epidermis and dermis, primarily in the stratum granulosum in the facial and abdominal skin (at protein level) (PubMed:30168605). Expressed in dermal fibroblasts (at protein level) (PubMed:31380578). Expressed in melanocytes (at protein level) (PubMed:31730232).
Sort :	16784
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).