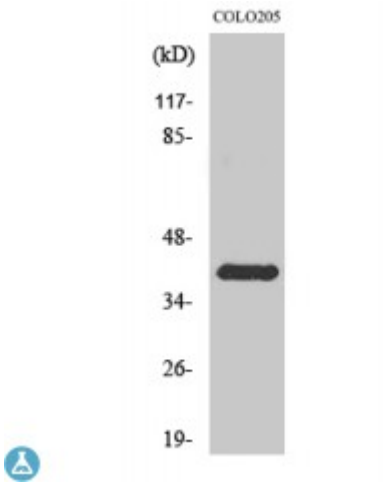
Anti-Rhodopsin antibody



Description	Rabbit polyclonal to Rhodopsin.

Model	STJ95452
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Rhodopsin around the non-phosphorylation site of S334.
Immunogen Region	270-350 aa
Gene ID	6010
Gene Symbol	RHO
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	Rhodopsin Polyclonal Antibody detects endogenous levels of Rhodopsin protein.
Tissue Specificity	Rod shaped photoreceptor cells which mediates vision in dim light.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Rhodopsin Opsin-2
Molecular Weight	42 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10012OMIM:180380
Alternative Names	Rhodopsin Opsin-2
Function	Photoreceptor required for image-forming vision at low light intensity. Required for photoreceptor cell viability after birth. Light-induced isomerization of 11-cis to all-trans retinal triggers a conformational change leading to G-protein activation and release of all-trans retinal.
Cellular Localization	Membrane. Synthesized in the inner segment (IS) of rod photoreceptor cells before vectorial transport to the rod outer segment (OS) photosensory cilia.
Post-translational Modifications	Phosphorylated on some or all of the serine and threonine residues present in the C-terminal region.; Contains one covalently linked retinal chromophore.