

Rhodopsin Antibody | anti-RHO antibody

Rhodopsin (Phospho-Ser334) Antibody

CATALOG # AAA112174	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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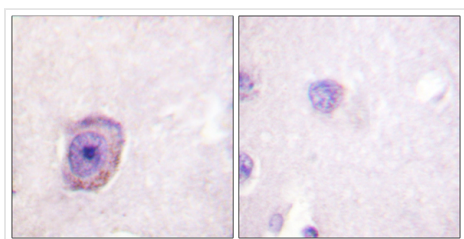
PRODUCT SYNONYMS

Rhodopsin; Rhodopsin (Phospho-Ser334) Antibody; OPN2; OPSD; opsin 2; anti-RHO antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Rhodopsin (Phospho-Ser334) antibody detects endogenous levels of Rhodopsin only when phosphorylated at serine 334.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	348
Applicable Applications for anti-RHO antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Rhodopsin around the phosphorylation site of serine 334 (D-A-SP-A-T).
All Sites	Human: Ser334 Mouse: Ser334 Rat: Ser334
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemistry analysis of paraffin-embedded human brain tissue using Rhodopsin (Phospho-Ser334) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-RHO antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Edwin S. Lee, Invest. Ophthalmol. Vis. Sci., Jun 2007; 48: 2868-2876. DJ Roof, Invest. Ophthalmol. Vis. Sci., Nov 1994; 35: 4049. Angelika Schmitt, J. Exp. Biol., Apr 2005; 208: 1247-1256. Paul A. Sieving, J. Neurosci., Aug 2001; 21: 5449.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506527
NCBI GeneID	6010
NCBI Accession #	NP_000530.1
NCBI GenBank Nucleotide #	NM_000539.3
UniProt Accession #	P08100; Q16414; Q2M249
Molecular Weight	38,893 Da
NCBI Official Full Name	rhodopsin
NCBI Official Synonym Full Names	rhodopsin
NCBI Official Symbol	RHO
NCBI Official Synonym Symbols	RP4; OPN2; CSNBAD1
NCBI Protein Information	rhodopsin
UniProt Protein Name	Rhodopsin
UniProt Gene Name	RHO
UniProt Synonym Gene Names	OPN2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.