

Rhodopsin(Phospho Ser334) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13746
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Rhodopsin around the phosphorylation site of Ser334. AA range:299-348
Mol wt	39028
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Rhodopsin
Synonyms	Rhodopsin; RHO; OPN2; Rhodopsin; Opsin-2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Retinitis pigmentosa is an inherited progressive disease which is a major cause of blindness in western communities. It can be inherited as an autosomal dominant, autosomal recessive, or X-linked recessive disorder. In the autosomal dominant form, which comprises about 25% of total cases, approximately 30% of families have mutations in the gene encoding the rod photoreceptor-specific protein rhodopsin. This is the transmembrane protein which, when photoexcited, initiates the visual transduction cascade. Defects in this gene are also one of the causes of congenital stationary night blindness.

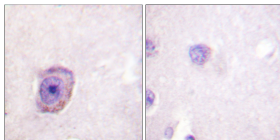
Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 10000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human brain, using Rhodopsin (Phospho-Ser334) Antibody. The picture on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year