

## Rhodopsin(Phospho Ser334) Polyclonal Antibody

### Description

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

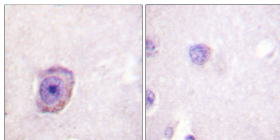
### Recommended Dilution

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