

Product datasheet

Anti-GRK1 antibody [EPR2039(2)] ab108502

Recombinant RabMAb

1 Image

Overview

<b>Product name</b>	Anti-GRK1 antibody [EPR2039(2)]
<b>Description</b>	Rabbit monoclonal [EPR2039(2)] to GRK1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human GRK1 aa 1-100. The exact sequence is proprietary.
<b>Positive control</b>	Y79 and JAR cell lysates.
<b>General notes</b>	

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab<sup>®</sup> patents](#)

This product is a recombinant rabbit monoclonal antibody.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR2039(2)
<b>Isotype</b>	IgG

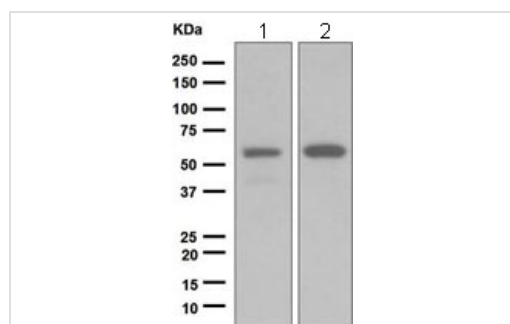
Applications

Our [Abpromise guarantee](#) covers the use of **ab108502** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 60 kDa (predicted molecular weight: 60 kDa).
<b>Application notes</b>		Is unsuitable for Flow Cyt, ICC, IHC-P or IP.
<b>Target</b>		
<b>Function</b>		Retina-specific kinase involved in the signal turnoff via phosphorylation of rhodopsin (RHO), the G protein- coupled receptor that initiates the phototransduction cascade. This rapid desensitization is essential for scotopic vision and permits rapid adaptation to changes in illumination.
<b>Tissue specificity</b>		Retinal-specific. Expressed in rods and cones cells.
<b>Involvement in disease</b>		Night blindness, congenital stationary, Oguchi type 2
<b>Sequence similarities</b>		Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain. Contains 1 RGS domain.
<b>Post-translational modifications</b>		Autophosphorylated, Ser-21 is a minor site of autophosphorylation compared to Ser-491 and Thr-492 (By similarity). Phosphorylation at Ser-21 is regulated by light and activated by cAMP. Farnesylation is required for full activity.
<b>Cellular localization</b>		Membrane.

## Images



Western blot - Anti-GRK1 antibody [EPR2039(2)]  
(ab108502)

**All lanes :** Anti-GRK1 antibody [EPR2039(2)]  
(ab108502) at 1/1000 dilution

**Lane 1 :** Y79 cell lysate

**Lane 2 :** JAR cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 60 kDa

**Observed band size:** 60 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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