

Product datasheet

Anti-GRK1 antibody [EPR2039(2)] ab108502

Recombinant RabMAB

1 Image

Overview

Product name	Anti-GRK1 antibody [EPR2039(2)]
Description	Rabbit monoclonal [EPR2039(2)] to GRK1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	A synthetic peptide corresponding to residues in Human GRK1.
Positive control	Y79 and JAR cell lysates.
General notes	This product is a recombinant rabbit monoclonal antibody. Our RabMAB [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab[®] patents

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR2039(2)
Isotype	IgG

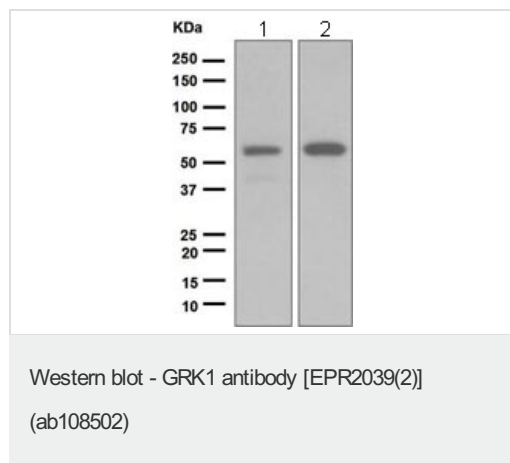
Applications

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).
Application notes		Is unsuitable for Flow Cyt, ICC, IHC-P or IP.
Target		
Function		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.
Tissue specificity		Retinal-specific. Expressed in rods and cones cells.
Involvement in disease		Night blindness, congenital stationary, Oguchi type 2
Sequence similarities		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.
Post-translational modifications		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.
Cellular localization		Membrane.

Images



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

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