

Product datasheet

Anti-GRK2 antibody ab58521

1 Image

Overview

Product name	Anti-GRK2 antibody
Description	Rabbit polyclonal to GRK2
Host species	Rabbit
Tested applications	Suitable for: ELISA, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat
Immunogen	Synthetic non-phosphopeptide derived from human GRK2 around the phosphorylation site of serine 29 (R-A-S ^P -K-K).
Positive control	Human breast carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab58521** 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
ELISA		1/5000.
IHC-P		Use at an assay dependent concentration.

Target

Function

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner.

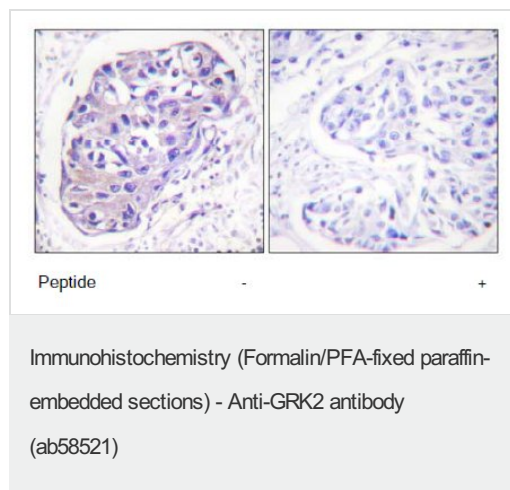
Tissue specificity

Expressed in peripheral blood leukocytes.

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 PH domain. Contains 1 protein kinase domain. Contains 1 RGS domain.

Images



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