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Datasheet for ABIN6991952 **anti-GRK6 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	GRK6
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRK6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	GRK6 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human GRK6. The immunogen is located within the last 50 amino acids of GRK6.
Isotype:	IgG
Specificity:	GRK6 antibody is human, mouse and rat reactive. Multiple isoforms of GRK6 are known to exist. This antibody is predicted to not cross-react with other members of the GRK protein family.
Purification:	GRK6 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	GRK6
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Target Details

Alternative Name:	GRK6 (GRK6 Products)
Background:	The G protein-coupled receptor kinases (GRKs) are a versatile family of kinases that play a critical role in cancer metastasis through their regulation of G-protein coupled receptors (GPCRs) involved in growth factor mediated cell migration (1,2). Phosphorylation of receptors by GRKs appears to be strictly dependent on the receptor being in its agonist-activated state (1). GRK6 is one of 7 members of the GRK serine/threonine kinase subfamily, which has been shown to modulate the Wnt signaling pathway via phosphorylation of LRP6 (3,4), and the insulin-like growth factor signaling pathway (4). GRK6 may also play a role in immune system function (5).
Molecular Weight:	Predicted: 63 kDa Observed: 63 kDa
Gene ID:	2870
NCBI Accession:	NP_001004106
UniProt:	P43250
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , CXCR4-mediated Signaling Events , Negative Regulation of Transporter Activity

Application Details

Application Notes:	GRK6 antibody can be used for detection of GRK6 by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	GRK6 antibody is supplied in PBS containing 0.02 % sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	GRK6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.