

Immunotag™ Phospho-GRK2(Ser29) Antibody

Antibody Specification	
Catalog No.	ITA0637
Product Description	Immunotag™ Phospho-GRK2(Ser29) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-GRK2(Ser29)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human GRK2 around the phosphorylation site of Ser29.
Specificity	Phospho-GRK2(Ser29) Antibody detects endogenous levels of GRK2.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	GRK2
Accession No.	P25098
Alternate Names	ADRBK1; Adrenergic beta receptor kinase 1; ARBK1_HUMAN; BARK; BARK1; Beta adrenergic receptor kinase 1; Beta ARK 1; Beta ARK1; Beta-adrenergic receptor kinase 1; Beta-ARK-1; FLJ16718; G protein coupled receptor kinase 2; G-protein coupled receptor kinase 2; GRK2;

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Description	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 (PubMed:19306925, PubMed:19715378). Positively regulates ciliary smoothened (SMO)-dependent Hedgehog (Hh) signaling pathway by facilitating the trafficking of SMO into the cilium and the stimulation of SMO activity (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	80kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.