

Immunotag™ Phospho-GRF-1 (Tyr1105) Antibody

Antibody Specification	
Catalog No.	ITA1253
Product Description	Immunotag™ Phospho-GRF-1 (Tyr1105) 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-GRF-1 (Tyr1105)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human GRF-1 around the phosphorylation site of Tyrosine 1105
Specificity	Phospho-GRF-1 (Tyr1105) Antibody detects endogenous levels of GRF-1 only when phosphorylated at Tyrosine 1105
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	ARHGAP35
Accession No.	Q9NRY4

Antibody Specification

Alternate Names	ARHGAP35; GAP associated protein p190; Glucocorticoid receptor DNA binding factor 1; Glucocorticoid receptor DNA-binding factor 1; Glucocorticoid receptor repression factor 1; GRF 1; GRF-1; GRF1; GRLF 1; GRLF1; GRLF1_HUMAN; KIAA1722; MGC10745; p190 A; p190-A; P190A; P190A, rat, homolog of; p190ARhoGAP; p190RhoGAP; Rho GAP p190A; Rho GTPase-activating protein 35;
Description	Rho GTPase-activating protein (GAP) (PubMed:19673492, PubMed:28894085). Binds several acidic phospholipids which inhibits the Rho GAP activity to promote the Rac GAP activity (PubMed:19673492). This binding is inhibited by phosphorylation by PRKCA (PubMed:19673492). Involved in cell differentiation as well as cell adhesion and migration, plays an important role in retinal tissue morphogenesis, neural tube fusion, midline fusion of the cerebral hemispheres and mammary gland branching morphogenesis (By similarity). Transduces signals from p21-ras to the nucleus, acting via the ras GTPase-activating protein (GAP) (By similarity). Transduces SRC-dependent signals from cell-surface adhesion molecules, such as laminin, to promote neurite outgrowth. Regulates axon outgrowth, guidance and fasciculation (By similarity). Modulates Rho GTPase-dependent F-actin polymerization, organization and assembly, is involved in polarized cell migration and in the positive regulation of ciliogenesis and cilia elongation (By similarity). During mammary gland development, is required in both the epithelial and stromal compartments for ductal outgrowth (By similarity). Represses transcription of the glucocorticoid receptor by binding to the cis-acting regulatory sequence 5'-GAGAAAAGAACTGGAGAACTC-3'; this function is however unclear and would need additional experimental evidences (PubMed:1894621).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	155kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.