



GRF-1 (phospho Tyr1087) Polyclonal Antibody

Catalog No	BYab-16109
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ARHGAP35
Protein Name	Rho GTPase-activating protein 35
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human GRF-1 (phospho Tyr1087)
Specificity	Phospho-GRF-1 (Y1087) Polyclonal Antibody detects endogenous levels of GRF-1 protein only when phosphorylated at Y1087.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARHGAP35; GRF1; GRLF1; KIAA1722; Rho GTPase-activating protein 35; Glucocorticoid receptor DNA-binding factor 1; Glucocorticoid receptor repression factor 1; GRF-1; Rho GAP p190A; p190-A
Observed Band	190kD
Cell Pathway	Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm . Nucleus . Cell membrane . In response to integrins and SDC4 and upon phosphorylation by PKC, relocalizes from the cytoplasm to regions of plasma membrane ruffling where it colocalizes with polymerized actin. .
Tissue Specificity	Detected in neutrophils (at protein level).
Function	function:Represses transcription of the glucocorticoid receptor by binding to the cis-acting regulatory sequence 5'-GAGAAAAGAACTGGAGAACTC-3'. May participate in the regulation of retinal development and degeneration. May transduce signals from p21-ras to the nucleus, acting via the ras GTPase-activating protein (GAP). May also act as a tumor suppressor.,PTM:Phosphorylated upon DNA damage, probably by ATM or

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ATR.,PTM:Tyrosine phosphorylated.,similarity:Contains 1 Rho-GAP domain.,similarity:Contains 4 FF domains.,subunit:Interacts with p120GAP.,

Background

The human glucocorticoid receptor DNA binding factor, which associates with the promoter region of the glucocorticoid receptor gene (hGR gene), is a repressor of glucocorticoid receptor transcription. The amino acid sequence deduced from the cDNA sequences show the presence of three sequence motifs characteristic of a zinc finger and one motif suggestive of a leucine zipper in which 1 cysteine is found instead of all leucines. The GRLF1 enhances the homologous down-regulation of wild-type hGR gene expression. Biochemical analysis suggests that GRLF1 interaction is sequence specific and that transcriptional efficacy of GRLF1 is regulated through its interaction with specific sequence motif. The level of expression is regulated by glucocorticoids. [provided by RefSeq, Jul 2008],

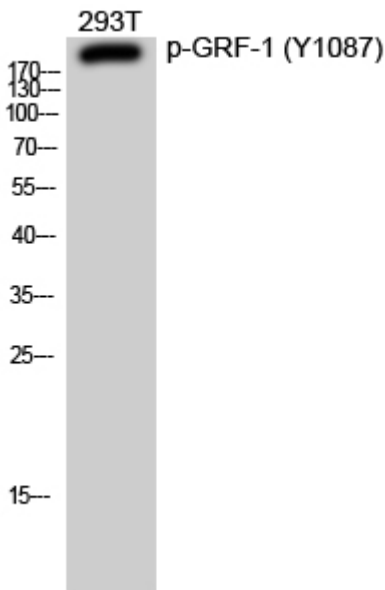
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

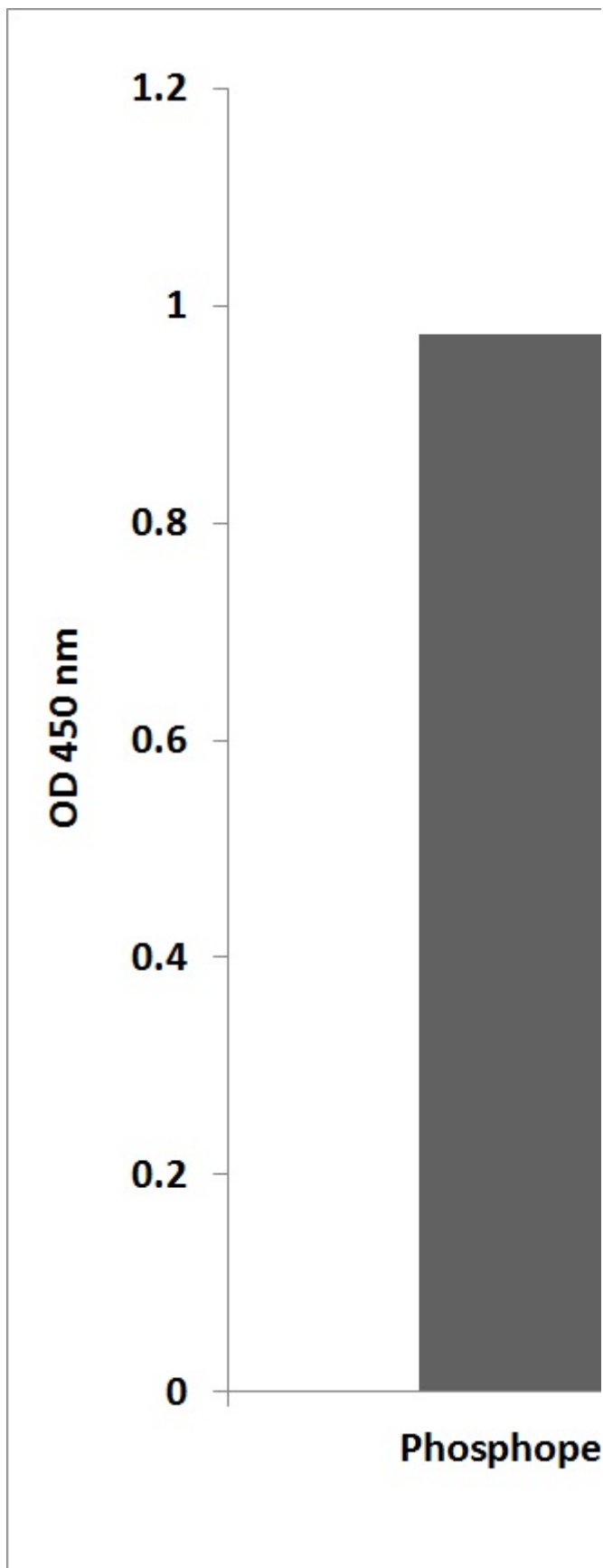
Products Images



Western Blot analysis of 293T cells using Phospho-GRF-1 (Y1087) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay
(Phospho-ELISA) for Immunogen Phosphopeptide
(Phospho-left) and Non-Phosphopeptide
(Phospho-right), using GRF-1 (Phospho-Tyr1087)
Antibody



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Western blot analysis of lysates from K562 cells, using phospho-GRF-1 (Phospho-Tyr1087) antibody.

GF
(pY¹⁰⁸⁷)