

## GRF-1 (phospho Tyr1087) Polyclonal Antibody

<b>Catalog No :</b>	YP0121
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	GRF-1
<b>Fields :</b>	>>Focal adhesion;>>Platelet activation;>>Leukocyte transendothelial migration;>>Regulation of actin cytoskeleton
<b>Gene Name :</b>	ARHGAP35
<b>Protein Name :</b>	Rho GTPase-activating protein 35
<b>Human Gene Id :</b>	2909
<b>Human Swiss Prot No :</b>	Q9NRY4
<b>Mouse Gene Id :</b>	232906
<b>Mouse Swiss Prot No :</b>	Q91YM2
<b>Rat Swiss Prot No :</b>	P81128
<b>Immunogen :</b>	Synthesized phospho-peptide around the phosphorylation site of human GRF-1 (phospho Tyr1087)
<b>Specificity :</b>	Phospho-GRF-1 (Y1087) Polyclonal Antibody detects endogenous levels of GRF-1 protein only when phosphorylated at Y1087.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 190kD

**Cell Pathway :** Focal adhesion; Leukocyte transendothelial migration; Regulates Actin and Cytoskeleton;

**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],

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

**Subcellular Location :** 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. .

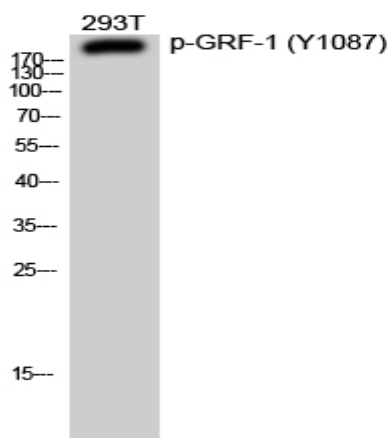
**Expression :** Detected in neutrophils (at protein level).

**Tag :** hot

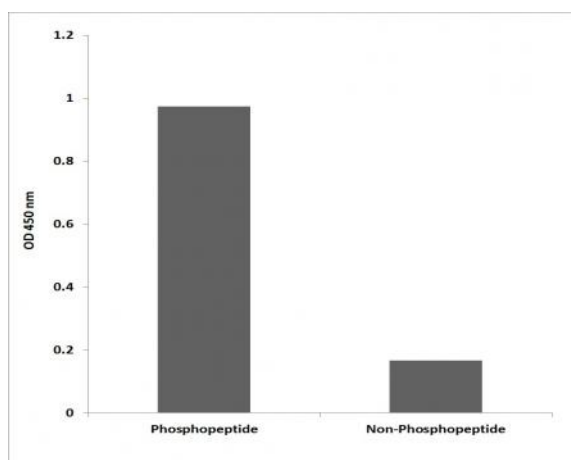
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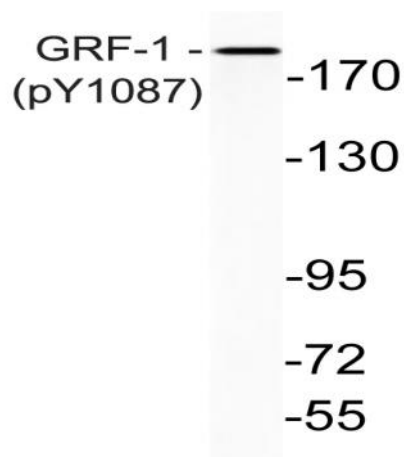
## Products Images



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



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