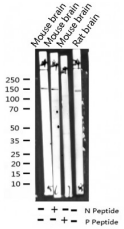
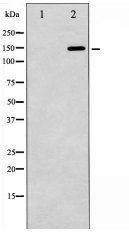
Phospho-GRF-1 (Tyr1105) Ab

Cat.#: AF3484	Concn.: 1mg/ml	Mol.Wt.: 155kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

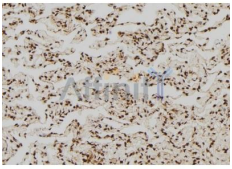
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-GRF-1 (Tyr1105) Ab detects endogenous levels of GRF-1 only when phosphorylated at Tyrosine 1105.
Immunogen:	A synthesized peptide derived from human GRF-1 around the phosphorylation site of Tyrosine 1105.
Uniprot:	Q9NRY4
Description:	GRF-1 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. May participate in the regulation of retinal development and degeneration. May transduce signals from p21-ras to the nucleus, acting via the ras GTP-ase activating protein (GAP).
Subcellular Location:	Cytoplasm. Nucleus.
Tissue Specificity:	Detected in neutrophils (at protein level).
Similarity:	N-terminal part (1-266) has GTPase activity. Required for proper cellular localization.The pG1 pseudoGTPase domain does not bind GTP.
Storage Condition and Buffer:	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.



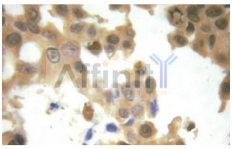
Western blot analysis of Phospho-GRF-1 (Tyr1105) expression in various lysates



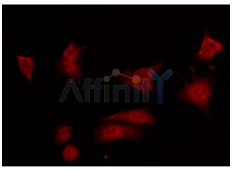
Western blot analysis of GRF-1 phosphorylation expression in EGF treated 293 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3484 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3484 at 1/200 staining human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3484 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.