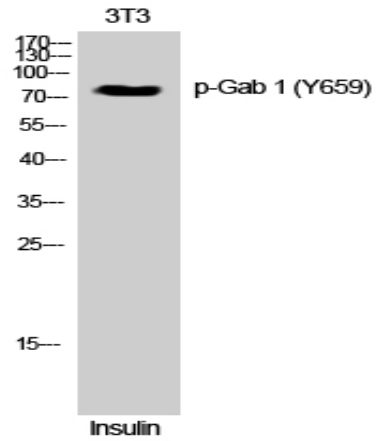
Best Tools for immunology Research

Gab 1 (phospho Tyr659) Polyclonal Antibody

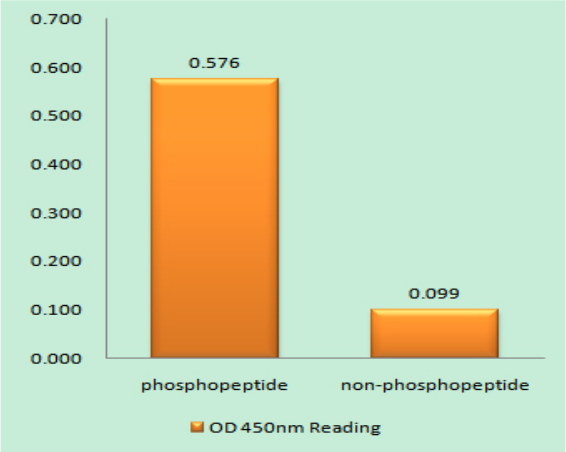
Catalog No :	YP0907
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Gab 1
Fields :	>>EGFR tyrosine kinase inhibitor resistance;>>ErbB signaling pathway;>>Ras signaling pathway;>>Phospholipase D signaling pathway;>>Neurotrophin signaling pathway;>>Bacterial invasion of epithelial cells;>>Proteoglycans in cancer;>>Renal cell carcinoma;>>Hepatocellular carcinoma;>>Gastric cancer
Gene Name :	GAB1
Protein Name :	GRB2-associated-binding protein 1
Human Gene Id :	2549
Human Swiss Prot No :	Q13480
Mouse Gene Id :	14388
Mouse Swiss Prot No :	Q9QYY0
Immunogen :	The antiserum was produced against synthesized peptide derived from human GAB1 around the phosphorylation site of Tyr659. AA range:644-674
Specificity :	Phospho-Gab 1 (Y659) Polyclonal Antibody detects endogenous levels of Gab 1 protein only when phosphorylated at Y659.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

Purification :	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 :	76kD
Cell Pathway :	ErbB_HER;Neurotrophin;Renal cell carcinoma;
Background :	GRB2 associated binding protein 1(GAB1) Homo sapiens The protein encoded by this gene is a member of the IRS1-like multisubstrate docking protein family. It is an important mediator of branching tubulogenesis and plays a central role in cellular growth response, transformation and apoptosis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008],
Function :	function:Probably involved in EGF and insulin receptor signaling.,PTM:Phosphorylated on tyrosine residue(s) by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Tyrosine phosphorylation of GAB1 mediates interaction with several proteins that contain SH2 domains.,similarity:Belongs to the GAB family.,similarity:Contains 1 PH domain.,subunit:Interacts with GRB2 and with other SH2-containing proteins. Interacts with phosphorylated LAT2.,
Subcellular Location :	cytosol,
Expression :	Testis,Whole embryo,
Tag :	orthogonal
Sort :	6347
No2 :	12745S
No4 :	1

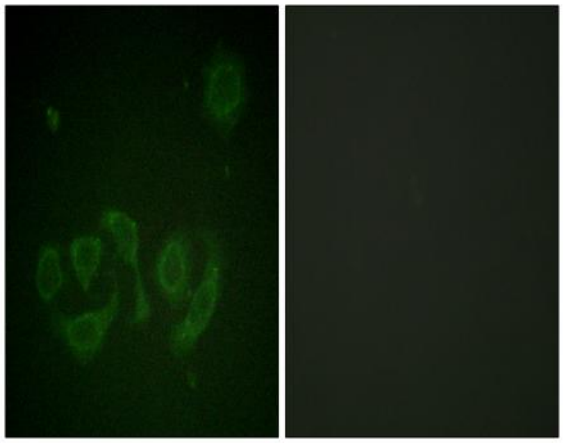
Products Images



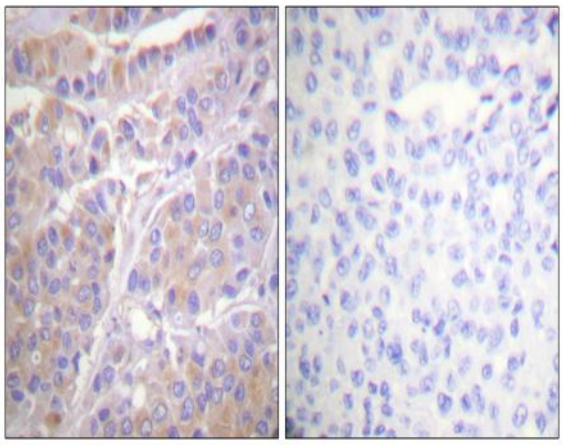
Western Blot analysis of 3T3 cells using Phospho-Gab 1 (Y659) Polyclonal Antibody



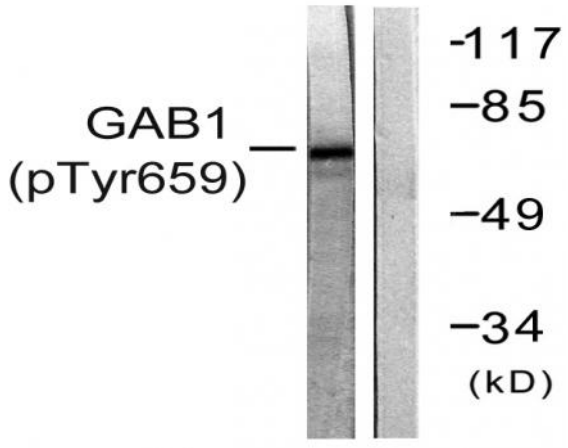
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GAB1 (Phospho-Tyr659) Antibody



Immunofluorescence analysis of HepG2 cell, using GAB1 (Phospho-Tyr659) Antibody. The lane on the right is blocked with the GAB1 (Phospho-Tyr659) peptide.



Immunohistochemistry analysis of paraffin-embedded human breast cancer, using GAB1 (Phospho-Tyr659) Antibody. The picture on the right is blocked with the GAB1 (Phospho-Tyr659) peptide.



Western blot analysis of GAB1 (Phospho-Tyr659) Antibody. The lane on the right is blocked with the GAB1 (Phospho-Tyr659) peptide.