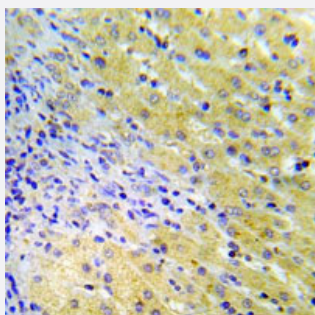


GAB1 (phospho Y659) polyclonal antibody

Catalog # PAB16972 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human hepatocellular carcinoma tissue using GAB1 (phospho Tyr659) polyclonal antibody (Cat # PAB16972).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of GAB1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y659 of human GAB1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of GAB1 only when phosphorylated at tyrosine 659.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM PBS, 0.15 M NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human hepatocellular carcinoma tissue using GAB1 (phospho Tyr659) polyclonal antibody (Cat # PAB16972).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GAB1

Entrez GeneID [2549](#)

Protein Accession# [Q13480](#)

Gene Name GAB1

Gene Alias -

Gene Description GRB2-associated binding protein 1

Omim ID [604439](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations -

Publication Reference

- [Activation of Gab1 in pancreatic acinar cells: effects of gastrointestinal growth factors/hormones on stimulation, phosphospecific phosphorylation, translocation and interaction with downstream signaling molecules.](#)

Hoffmann KM, Tapia JA, Jensen RT.

Cellular Signalling 2006 Jul; 18(7):942.

- [A novel role for Gab1 and SHP2 in epidermal growth factor-induced Ras activation.](#)

Montagner A, Yart A, Dance M, Perret B, Salles JP, Raynal P.

The Journal of Biological Chemistry 2005 Feb; 280(7):5350.

- [Phosphotyrosines 627 and 659 of Gab1 constitute a bisphosphoryl tyrosine-based activation motif \(BTAM\) conferring binding and activation of SHP2.](#)

Cunnick JM, Mei L, Doupnik CA, Wu J.

The Journal of Biological Chemistry 2001 Jun; 276(26):24380.

Application: WB-Tr, Monkey, COS-7 cells

Pathway

- [ErbB signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Renal cell carcinoma](#)

Disease

- [Atrophy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Metaplasia](#)

- [Narcolepsy](#)
- [Stomach Neoplasms](#)