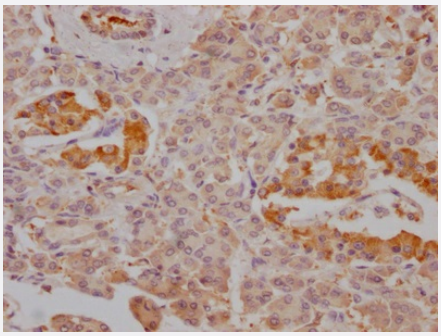
RecomAb™

# FBP1 recombinant monoclonal antibody, clone 4G3

Catalog # RAB07524 Size 100 uL

## Applications



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

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using FBP1 recombinant monoclonal antibody, clone 4G3 (Cat # RAB07524) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human FBP1. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human FBP1. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry (1:50-1:200)<br>The optimal working dilution should be determined by the end user. |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

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

  Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using FBP1 recombinant monoclonal antibody, clone 4G3 (Cat # RAB07524) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — FBP1

| | |
|---|---|
| **Entrez GeneID** | 2203 |
| **Protein Accession#** | P09467 |
| **Gene Name** | FBP1 |
| **Gene Alias** | FBP |
| **Gene Description** | fructose-1,6-bisphosphatase 1 |
| **Omim ID** | 229700 611570 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Fructose-1,6-bisphosphatase 1, a gluconeogenesis regulatory enzyme, catalyzes the hydrolysis o f fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Fructose-1,6-dipho sphatase deficiency is associated with hypoglycemia and metabolic acidosis. [provided by RefS eq |
| **Other Designations** | OTTHUMP00000021694\|fructose-bisphosphatase 1\|growth-inhibiting protein 17 |

## Pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Biosynthesis of phenylpropanoids
- Carbon fixation in photosynthetic organisms
- Fructose and mannose metabolism
- Glycolysis / Gluconeogenesis
- Insulin signaling pathway
- Metabolic pathways
- Pentose phosphate pathway

## Disease

- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Schizophrenia
- Tooth Abnormalities

Copyright © 2023 Abnova Corporation. All Rights Reserved.