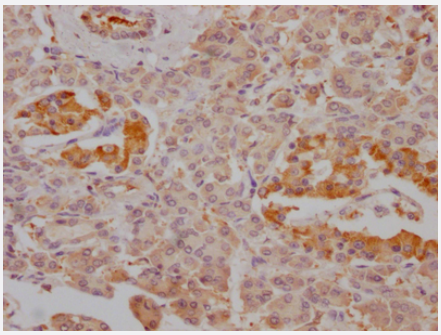
RecomAb™ Sm Size

FBP1 recombinant monoclonal antibody, clone 4G3

Catalog # RAB08697 Size 50 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using FBP1 recombinant monoclonal antibody on a Leica Bond™ 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 Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.

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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. 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)

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- 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

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- 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

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