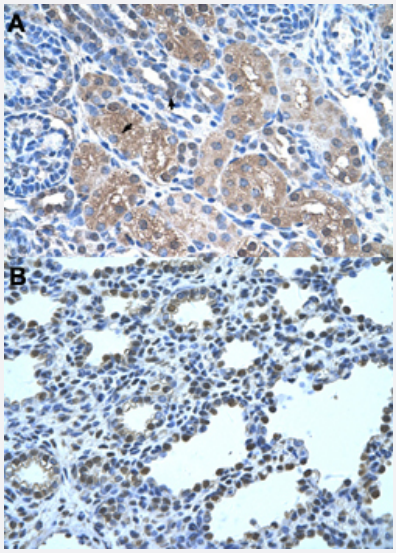
FBP1 polyclonal antibody

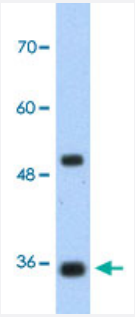
Catalog # PAB30070 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney (A) and human lung (B) with FBP1 polyclonal antibody (Cat # PAB30070) at 4-8 ug/mL working concentration.



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with FBP1 polyclonal antibody (Cat # PAB30070) at 1.25 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human FBP1.
Immunogen	A synthetic peptide corresponding to N-terminus of human FBP1.
Sequence	YVVCFDPLDGSSNIDCLVSVGTIFGIYRKKSTDEPSEKDALQPGRNLVAA
Host	Rabbit

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Theoretical MW (kDa)	37
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (1.25 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. 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 shoul d be handled by trained staff only.

Applications

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

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- Western Blot (Cell lysate)

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Gene Info — FBP1

Entrez GeneID	2203
GeneBank Accession#	NM_000507
Protein Accession#	NP_000498;P09467
Gene Name	FBP1
Gene Alias	FBP
Gene Description	fructose-1,6-bisphosphatase 1
Omim ID	229700 611570

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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

- 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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