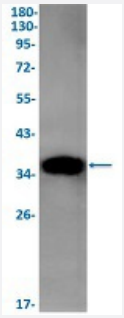
RecomAb™

FBP1 recombinant monoclonal antibody, clone R04-1D6

Catalog # RAB02284 Size 100 uL

Applications



Western Blot

Western Blot analysis of rat brain lysates with FBP1 recombinant monoclonal antibody, clone R04-1D6 (Cat # RAB02284).

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.
Theoretical MW (kDa)	Calculated MW: 37 kD
Reactivity	Human, Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	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)
- Western Blot

  Western Blot analysis of rat brain lysates with FBP1 recombinant monoclonal antibody, clone R04-1D6 (Cat # RAB02284).

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

- Biosynthesis of phenylpropanoids

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- 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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