Human FBP2 antibody

Catalog Number: ATGA0235

PRODUCT INFORMATION

Catalog number
ATGA0235

Clone No.
AT1E11

Product type
Monoclonal Antibody

UnitProt No.
O00757

NCBI Accession No.
NP_003828

Alternative Names
Fructose-16-bisphosphatase isozyme 2, Fructose-1,6-bisphosphatase isozyme 2

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen
Recombinant human FBP2 (1-339aa) purified from E. coli

Isotype
IgG1 kappa

Purification Note
By protein-G affinity chromatography

Application
ELISA,WB

Usage
The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

Human FBP2 antibody

Catalog Number: ATGA0235

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

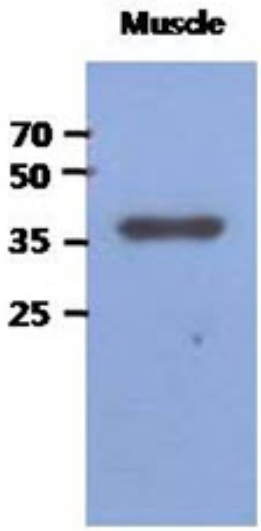
FBP2 (Fructose-1, 6-bisphosphatase isozyme 2) is a 339 amino acid protein. FBP2 belongs to the FBPase class 1 family. The hydrolysis of fructose-1, 6-bisphosphate to fructose-6-phosphate is a key reaction of carbohydrate metabolism. The enzyme that catalyzes this reaction appears to be present in all forms of living organisms. FBPase is encoded by two genes, FBP1 and FBP2, which express the liver and muscle isoforms, respectively. FBPase is regulated by AMP inhibition in most species. Inhibition of FBPase by AMP affects the turnover of bound substrate and not its affinity for substrate.

General References

Dzugaj, A., et al. (1980) Biochim Biophys Acta 614: 407-412.
Marcus, F., et al. (1987) Arch Biol Med Exp 20: 371-378.
Matsuura, T., et al. (2002) Mol Genet Metab 76: 207-210.

DATA

Western blot analysis (WB)



The cell lysate of mouse muscle (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FBP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.