

## Fructose-bisphosphate aldolase A Polyclonal Antibody

Catalog No: #42051

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## Description

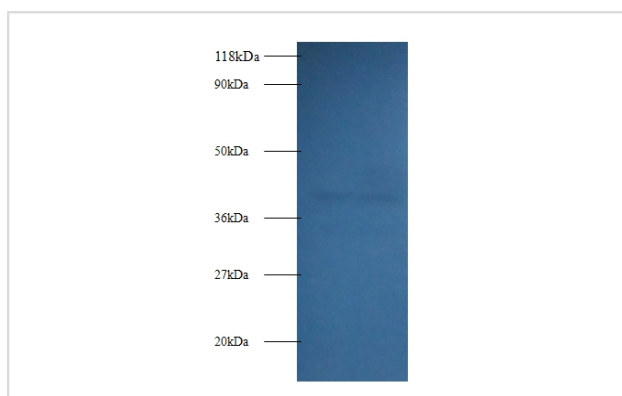
Product Name	Fructose-bisphosphate aldolase A Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Fructose-bisphosphate aldolase A polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Fructose-bisphosphate aldolase A protein
Target Name	Fructose-bisphosphate aldolase A
Other Names	ALDOA, ALDA, Lung cancer antigen NY-LU-1, Muscle-type aldolase
Accession No.	Swiss-Prot#: P04075
Uniprot	P04075
GeneID	226;
Calculated MW	40kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

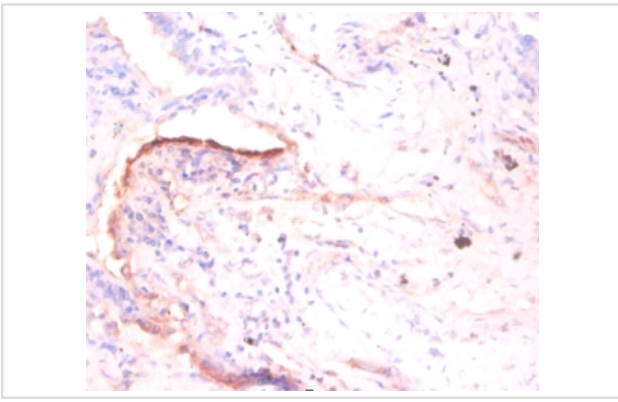
## Application Details

Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

## Images

Fructose-bisphosphate aldolase A polyclonal Antibody at  
2ug/ml + EC109 whole cell lysate at 20ugSecondary  
Goat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size : 40 kDa  
Observed band size : 40 kDa



Immunohistochemical analysis of paraffin-embedded human lung cancer using #42051 at dilution of 1:50.

## Background

Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein. Defects in ALDOA are the cause of glycogen storage disease type 12 (GSD12) [MIM:611881]; also known as red cell aldolase deficiency. A metabolic disorder associated with increased hepatic glycogen and hemolytic anemia. It may lead to myopathy with exercise intolerance and rhabdomyolysis. Belongs to the class I fructose-bisphosphate aldolase family.

## References

[1]"Nucleotide sequence of a cDNA clone for human aldolase: a messenger RNA in the liver." Sakakibara M., Mukai T., Hori K. *Biochem. Biophys. Res. Commun.* 131:413-420(1985) [2]"A new human species of aldolase A mRNA from fibroblasts." Izzo P., Costanz

Note: This product is for in vitro research use only