

Aldolase A Antibody



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R Hm Mk	Endogenous	40	Rabbit	#P04075	226

Product Usage Information

Application
Western Blotting

Dilution
1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Aldolase A Antibody detects endogenous levels of total fructose bisphosphate aldolase A protein. This antibody may detect total fructose bisphosphate aldolase B and fructose bisphosphate aldolase C proteins.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro189 of human fructose-bisphosphate aldolase A protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Aldolase (fructose bisphosphate aldolase), a glycolytic enzyme, catalyzes the conversion of fructose 1, 6-bisphosphate to 3-phosphoglyceraldehyde. This ubiquitous enzyme is present as three different isozymes: aldolase A, aldolase B, and aldolase C. Research studies suggest that aldolase A expression potentially differentiates between nonneoplastic liver diseases and hepatocarcinoma (1). Furthermore, investigators have shown that changes in aldolase B gene expression levels have been observed in certain patients with this primary tumor (2,3).

Background References

1. Castaldo, G. et al. (2000) *Clin. Chem.* 46, 901-906.
2. Kinoshita, M. and Miyata, M. (2002) *Hepatology* 36, 433-438.
3. Song, H. et al. (2004) *World J. Gastroenterol* 10, 509-513.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Hm:** Hamster **Mk:** Monkey

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