

#3188 Store at -20°C

Aldolase A Antibody


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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	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 biphosphate aldolase A protein. This antibody may detect total fructose biphosphate aldolase B and fructose biphosphate aldolase C proteins.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human fructose biphosphate aldolase A protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Aldolase (fructose biphosphate aldolase), a glycolytic enzyme, catalyzes the conversion of fructose 1, 6-biphosphate to 3-phosphoglycerinaldehyde. 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) <i>Clin. Chem.</i> 46, 901-906. 2. Kinoshita, M. and Miyata, M. (2002) <i>Hepatology</i> 36, 433-438. 3. Song, H. et al. (2004) <i>World J. Gastroenterol</i> 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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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