

## Product datasheet for **TA346527**

### Aldolase (ALDOA) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ALDOA antibody: synthetic peptide directed towards the N terminal of human ALDOA. Synthetic peptide located within the following region: MPYQYPALTPEQKKELSDIAHRIVAPGKGI LADESTGSI AKRLQSIGTE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39 kDa
Gene Name:	aldolase, fructose-bisphosphate A
Database Link:	<a href="#">NP_000025</a> <a href="#">Entrez Gene 226 Human</a> <a href="#">P04075</a>



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<b>Background:</b>	The protein encoded by this gene, Aldolase A (fructose-bisphosphate aldolase), is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing and alternative promoter usage results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 3 and 10. [provided by RefSeq, Aug 2011]
<b>Synonyms:</b>	ALDA; GSD12; HEL-S-87p
<b>Note:</b>	Immunogen Sequence Homology: Dog: 100%; Human: 100%; Rabbit: 100%; Pig: 93%; Rat: 93%; Horse: 93%; Bovine: 93%; Guinea pig: 93%; Mouse: 92%; Zebrafish: 92%; Sheep: 82%
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway

**Product images:**

WB Suggested Anti-ALDOA Antibody Titration:  
0.25 ug/ml; Positive Control: HepG2 cell lysate