

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:

MPYQYPALTPEQKKELSDIAHRIVAPGKGILAADESTGSIAKRLQSIGTE

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Protein A purified

Conjugation: Unconjugated

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: NP 000025

Entrez Gene 226 Human

P04075



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Background: 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]

Synonyms: ALDA; GSD12; HEL-S-87p

Note: Immunogen Sequence Homology: Dog: 100%; Human: 100%; Rabbit: 100%; Pig: 93%; Rat:

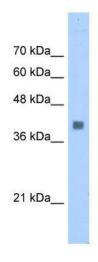
93%; Horse: 93%; Bovine: 93%; Guinea pig: 93%; Mouse: 92%; Zebrafish: 92%; Sheep: 82%

Protein Families: Druggable Genome

Protein Pathways: 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