

Product datasheet for **TA321044**

Aldolase (ALDOA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A549 and hela cells IHC: 50-200 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 200 amino acids of human aldolase A, fructose-bisphosphate
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
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:	NP_000025 Entrez Gene 11674 Mouse Entrez Gene 24189 Rat Entrez Gene 226 Human P04075



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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.

Synonyms:

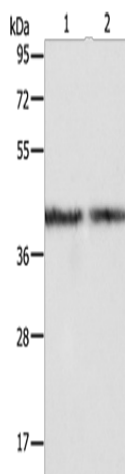
ALDA; GSD12; HEL-S-87p

Protein Families:

Druggable Genome

Protein Pathways:

Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway

Product images:

Gel: 10%SDS-PAGE

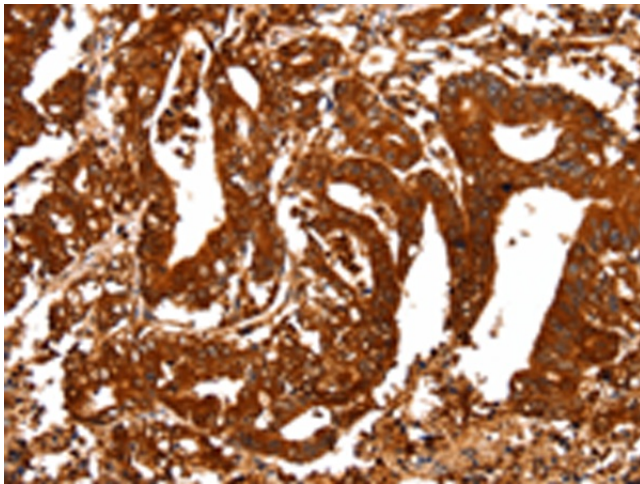
Lysate: 40 µg

Lane 1-2: A549 cells
hela cells

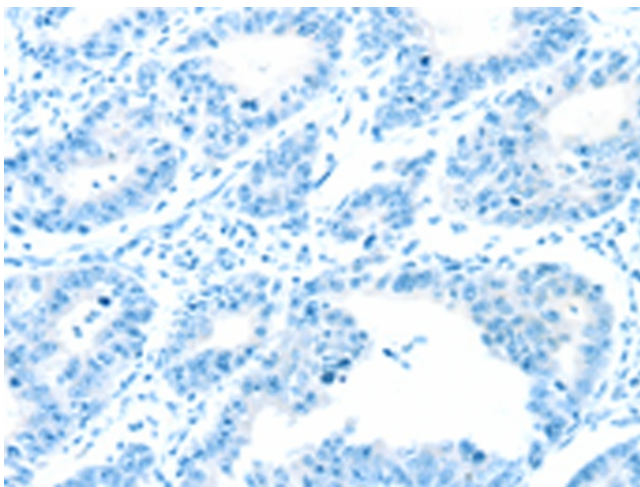
Primary antibody: TA321044 (ALDOA Antibody) at
dilution 1/350

Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

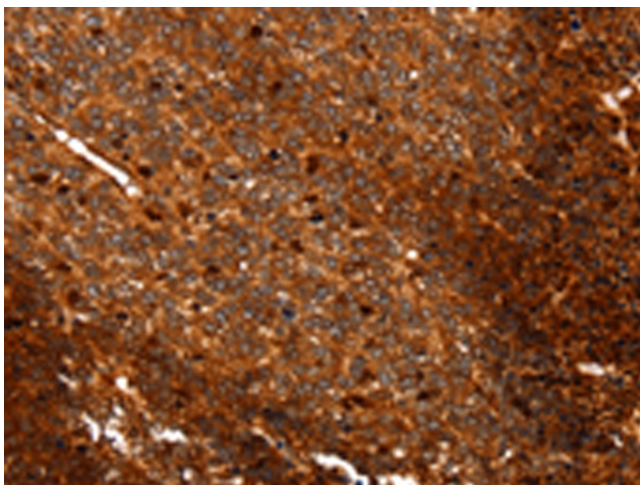
Exposure time: 3 seconds



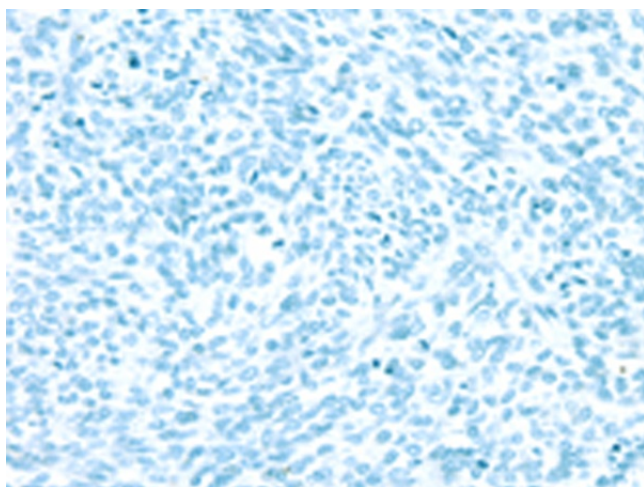
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321044 (ALDOA Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321044 (ALDOA Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321044 (ALDOA Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321044 (ALDOA Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)