



Aldolase A rabbit pAb

Cat No.:ES1639

For research use only

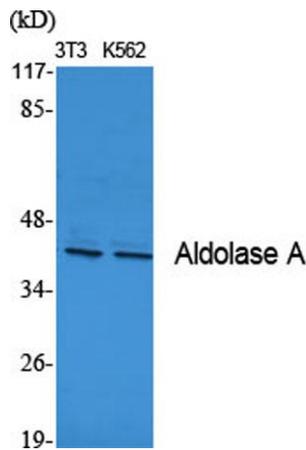
Overview

Product Name	Aldolase A rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ALDOA. AA range:1-50
Specificity	Aldolase A Polyclonal Antibody detects endogenous levels of Aldolase A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Fructose-bisphosphate aldolase A
Gene Name	ALDOA
Cellular localization	Cytoplasm, myofibril, sarcomere, I band . Cytoplasm, myofibril, sarcomere, M line . In skeletal muscle, accumulates around the M line and within the I band, colocalizing with FBP2 on both sides of the Z line in the absence of Ca(2+). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	39kD
Human Gene ID	226
Human Swiss-Prot Number	P04075
Alternative Names	ALDOA; ALDA; Fructose-bisphosphate aldolase A; Lung cancer antigen NY-LU-1; Muscle-type aldolase
Background	The protein encoded by this gene, Aldolase A (fructose-bisphosphate aldolase), is a glycolytic

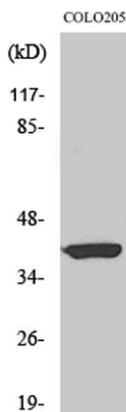




enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo 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],

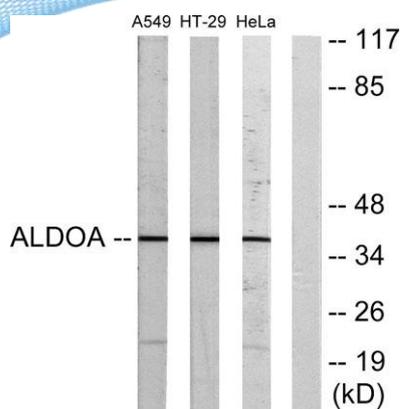


Western Blot analysis of various cells using Aldolase A Polyclonal Antibody diluted at 1:1000

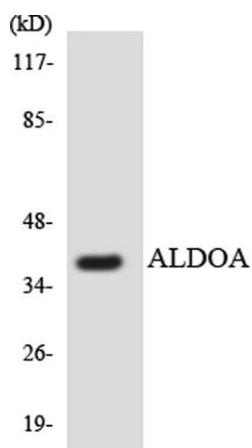


Western Blot analysis of HT29 cells using Aldolase A Polyclonal Antibody diluted at 1:1000





Western blot analysis of lysates from A549, HeLa, and HT-29 cells, using ALDOA Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using ALDOA antibody.

