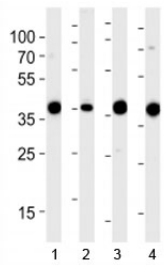
Aldolase Antibody (F48149)

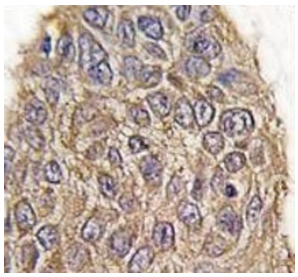
Catalog No.	Formulation	Size
F48149-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48149-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

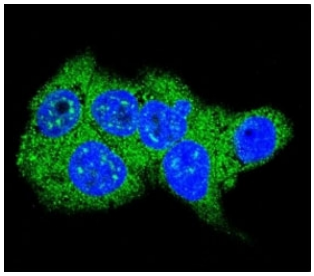
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Predicted Reactivity	Rabbit
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P04075
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This Aldolase antibody is available for research use only.



Western blot analysis of lysate from 1) 293, 2) RD, 3) mouse NIH3T3 and 4) rat L6 cell line using Aldolase antibody at 1:1000. Predicted molecular weight ~40 kDa.



IHC analysis of FFPE human lung carcinoma tissue stained with Aldolase antibody



Confocal immunofluorescent analysis of Aldolase antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).

Description

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.

Application Notes

Titration of the Aldolase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 66-95 from the human protein was used as the immunogen for this Aldolase antibody.

Storage

Aliquot the Aldolase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.