

Datasheet: VPA00226

Description:	RABBIT ANTI ALDOA
Specificity:	ALDOA
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Rabbit Ig fraction prepared by ammonium sulphate precipitation
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	KLH conjugated synthetic peptide between 66-95 amino acids from the N-terminal region of human ALDOA
External Database Links	<p>UniProt: P04075 Related reagents</p> <p>Entrez Gene: 226 ALDOA Related reagents</p>
Synonyms	ALDA

Specificity **Rabbit anti Human ALDOA antibody** recognizes fructose-bisphosphate aldolase A, also known as epididymis secretory sperm binding protein Li 87p, fructose-1,6-bisphosphate triosephosphate-lyase, lung cancer antigen NY-LU-1 and muscle-type aldolase.

Encoded by the ALDOA gene, fructose-bisphosphate aldolase A 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. Expression of this enzyme 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).

Rabbit anti Human ALDOA antibody detects a band of 39 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti ALDOA detects a band of approximately 39 kDa in HeLa cell lysates

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Shelf Life As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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