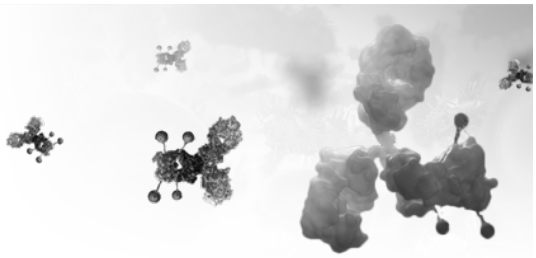

Anti-ALDOB (aa 88-170) polyclonal antibody (DPAB-DC1009)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Fructose-1,6-bisphosphate aldolase (EC 4.1.2.13) is a tetrameric glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 3 aldolase isozymes which are distinguished by their electrophoretic and catalytic properties. Differences indicate that aldolases A, B, and C are distinct proteins, the products of a family of related housekeeping genes exhibiting developmentally regulated expression of the different isozymes. The developing embryo produces aldolase A, which is produced in even greater amounts in adult muscle where it can be as much as 5% of total cellular protein. In adult liver, kidney and intestine, aldolase A expression is repressed and aldolase B is produced. In brain and other nervous tissue, aldolase A and C are expressed about equally. There is a high degree of homology between aldolase A and C. Defects in ALDOB cause hereditary fructose intolerance.
Immunogen	ALDOB (NP_000026, 88 a.a. ~ 170 a.a) partial recombinant protein with GST tag. The sequence is DSQGKLFRNILKEKGIVVGIKLDQGGAPLAGTNKETTIQGLDGLSERCAQYKKDGVDFGK WRAVLRIADQCPSSLAIQENANA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Tissue lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ALDOB aldolase B, fructose-bisphosphate [Homo sapiens (human)]
Official Symbol	ALDOB
Synonyms	ALDOB; aldolase B, fructose-bisphosphate; ALDB; ALDO2; fructose-bisphosphate aldolase B; aldolase 2; liver-type aldolase; aldolase B, fructose-bisphosphatase;
Entrez Gene ID	229
Protein Refseq	NP_000026
UniProt ID	A0A024R145
Chromosome Location	9q21.3-q22.2
Pathway	Biosynthesis of amino acids; Carbon metabolism; Disease; Fructose and mannose metabolism
Function	ATPase binding; cytoskeletal protein binding; fructose binding; fructose-bisphosphate aldolase activity

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