RK05622

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[One Step] ALDOB Antibody Kit

Catalog No.: RK05622

Basic Information

Applications

Cross-Reactivity
Human,Mouse,Rat

Observed MW
40kDa

Calculated MW
39kDa

Category
Antibody kit

Background

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.

Product Information

Source
Rabbit

Purification

Storage

Avoid repeated freeze-thaw cycles.

Component & Recommended Dilutions

Catalog No.	Product Name	Dilutions
RK05622-1	ALDOB Rabbit pAb	39kDa
RK05622-2	HRP-conjugated Goat anti-Rabbit IgG (H+L)	40kDa

Immunogen Information

Gene ID
229

Swiss Prot
P05062

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human ALDOB (NP_000026.2).

Synonyms
ALDB; ALDO2; ALDOB

Contact

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