

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated
Aldolase Antibody Peroxidase Conjugated
Catalog # ASR4090

Specification

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated - Product Information

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Rabbit
Reactivity	Human, Rabbit
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Aldolase has been tested by ELISA, immunoprecipitation, and western blot. This product is assayed against 1.0 µg of Aldolase [Rabbit Muscle] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:2,000 of the reconstitution concentration is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Aldolase [Rabbit Muscle]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated - Additional Information

Gene ID 100009055

Other Names
100009055

Purity

Aldolase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum as well as purified and partially purified Aldolase [Rabbit Muscle].

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

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

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated - Protein Information

Name ALDOA

Function

Catalyzes the reversible conversion of beta-D-fructose 1,6- bisphosphate (FBP) into two triose phosphate and plays a key role in glycolysis and gluconeogenesis (PubMed:17329259, PubMed:20129922). In addition, may also function as scaffolding protein (PubMed:17329259).

Cellular Location

Cytoplasm, myofibril, sarcomere, I band. Cytoplasm, myofibril, sarcomere, M line. Note=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+)

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated - Images

Anti-ALDOLASE [Rabbit Muscle] (GOAT) Antibody Peroxidase Conjugated - Background

Aldolase is an enzyme that performs an aldol reaction (creating an aldol) or its reverse (cleaving an aldol). Aldolase plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein. Belongs to the class I fructose-bisphosphate aldolase family.