Aldolase Conjugated Antibody

Catalog No: #C49682

Package Size: #C49682-AF350 100ul #C49682-AF405 100ul #C49682-AF488 100ul #C49682-AF555 100ul #C49682-AF594 100ul #C49682-AF647 100ul #C49682-AF680 100ul #C49682-AF750 100ul #C49682-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Aldolase Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt, Zebrafish
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ALDA antibody Aldo1 antibody ALDOA antibody ALDOA_HUMAN antibody Aldolase 1 antibody Aldolase A antibody Aldolase A fructose bisphosphatase antibody Aldolase A fructose bisphosphate antibody Aldolase, fructose-bisphosphate A antibody Epididymis secretory sperm binding protein Li 87p antibody FRUCTOALDOLASE A antibody Fructose 1 6 bisphosphate triosephosphate lyase antibody Fructose bisphosphate aldolase A antibody Fructose bisphosphate aldolase antibody FRUCTOSE-1,6-BISPHOSPHATE ALDOLASE A antibody Fructose-bisphosphate aldolase A antibody Fructose-bisphosphate aldolase A Muscle-type antibody GSD12 antibody HEL S 87p antibody Lung cancer antigen NY LU 1 antibody Lung cancer antigen NY-LU-1 antibody MGC10942 antibody MGC17716 antibody MGC17767 antibody Muscle type aldolase antibody Muscle-type aldolase antibody RNALDOG5 antibody
Accession No.	Swiss-Prot#:P04075
Uniprot	P04075
GeneID	226;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	39 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Fructose 1,6-bisphosphate aldolase catalyses the reversible condensation of glycerone-P and glyceraldehyde 3-phosphate into fructose 1,6-bisphosphate. Fructose 1,6-bisphosphate aldolase exists as three forms: the muscle-specific Aldolase A; the liver-specific Aldolase B; and the brain-specific Aldolase C. Aldolase A, B and C arose from a common ancestral gene from which Aldo-lase B first diverged. Aldolase A is one of the most highly-conserved enzymes known, with only about 2% of the residues changing per 100 million years. Aldolase B is regulated by the hormones insulin and glucagon, and has been implicated in hereditary fructose intolerance disease. Aldolase C is a polypeptide that is exclusively expressed in Purkinje cells. Aldolase C-positive Purkinje cells are organized in the cerebellum as stripes or bands that run from anterior to posterior across the cerebellum and alternate with bands of Aldolase C-negative Purkinje cells.

Note: This product is for in vitro research use only