

IDH2 Conjugated Antibody

Catalog No: #C49596



Package Size: #C49596-AF350 100ul #C49596-AF405 100ul #C49596-AF488 100ul
 #C49596-AF555 100ul #C49596-AF594 100ul #C49596-AF647 100ul
 #C49596-AF680 100ul #C49596-AF750 100ul #C49596-Biotin 100ul

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

Description

| | |
|-----------------------|--|
| Product Name | IDH2 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | recombinant protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | D2HGA2 antibody ICD-M antibody IDH antibody IDH2 antibody IDHM antibody IDHP_HUMAN antibody IDP antibody IDPM antibody Isocitrate dehydrogenase [NADP], mitochondrial antibody Isocitrate dehydrogenase 2 (NADP+), mitochondrial antibody mNADP-IDH antibody NADP(+)-specific ICDH antibody Oxalosuccinate decarboxylase antibody |
| Accession No. | Swiss-Prot#:P48735 |
| Uniprot | P48735 |
| GeneID | 3418; |
| 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 | 45 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

IDH2 (isocitrate dehydrogenase 2 (NADP+), mitochondrial), also designated NADP+-specific ICDH; isocitrate dehydrogenase, mitochondrial; and oxalosuccinate decarboxylase, is a 452 amino acid enzyme encoded by the human gene IDH2. IDH2 belongs to the isocitrate and isopropylmalate dehydrogenases family and contains two nucleotide binding regions. IDH2 is involved in the reduction of NADP+ to NADPH and maintains the supply of glutathione (GSH) in mitochondria. It is believed to play a role in intermediary metabolism and energy production. IDH2 also tightly associates with the pyruvate dehydrogenase complex. IDH2 is found in the mitochondrion as a homodimer and can bind one magnesium or manganese ion per subunit.

Note: This product is for in vitro research use only