



IDH3G Monoclonal Antibody

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| Catalog No | BYmab-07812 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB |
| Gene Name | IDH3G |
| Protein Name | Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial (EC 1.1.1.41) (Isocitric dehydrogenase subunit gamma) (NAD(+)-specific ICDH subunit gamma) |
| Immunogen | Synthesized peptide derived from part region of human protein |
| Specificity | IDH3G Monoclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 43kD |
| Cell Pathway | Mitochondrion . |
| Tissue Specificity | Brain,Heart,Placenta,Skin,Soares liver spleen 1NFLS, |
| Function | catalytic activity:Isocitrate + NAD(+) = 2-oxoglutarate + CO(2) + NADH.;cofactor:Binds 1 magnesium or manganese ion per subunit.;enzyme regulation:Activated by increasing ADP/ATP ratios and by Ca(2+).;similarity:Belongs to the isocitrate and isopropylmalate dehydrogenases family.;subunit:Heterooligomer of subunits alpha, beta, and gamma in the apparent ratio of 2:1:1., |
| Background | Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two |

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NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the gamma subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. This gene is a candidate gene for p

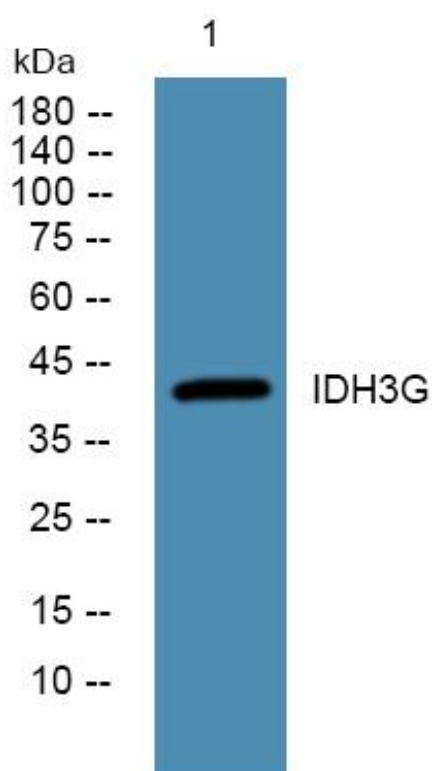
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IDH3G Monoclonal Antibody