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Datasheet for ABIN952962 anti-IDH3G antibody (C-Term)

2 Images



Overview

| Quantity: | 0.4 mL |
|----------------------|--|
| Target: | IDH3G |
| Binding Specificity: | AA 364-393, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IDH3G antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA) |

Product Details

| Immunogen: | KLH conjugated synthetic peptide between 364~393 amino acids from the C-terminal region of human IDH3G |
|---------------|--|
| Isotype: | Ig Fraction |
| Specificity: | This antibody recognizes Human Isocitric dehydrogenase gamma / IDH3G (C-term). |
| Purification: | Protein A column, followed by peptide affinity purification |

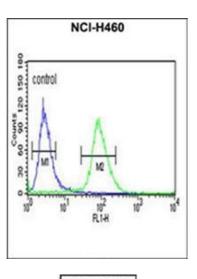
Target Details

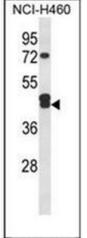
| Target: | IDH3G |
|-------------------|--|
| Alternative Name: | Isocitric Dehydrogenase gamma / IDH3G (IDH3G Products) |
| Background: | Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2- |

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| | 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 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 |
| | periventricular heterotopia.Synonyms: NAD(+)-specific ICDH gamma, mitochondrial Isocitrate |
| | dehydrogenase [NAD] subunit gamma |
| Molecular Weight: | 42794 Da |
| Gene ID: | 3421 |
| NCBI Accession: | NP_004126 |
| Application Details | |
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS containing 0.09 % (W/V) Sodium Azide as preservative |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| | should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |
| | |

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Flow Cytometry

Image 1. Flow cytometric analysis of NCI-H460 cells using IDH3G Antibody (C-term) Cat.-No AP52147PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of IDH3G Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). IDH3G (arrow) was detected using the purified Pab.

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