

Datasheet for ABIN2785851

anti-IDH3B antibody (C-Term)





Go to Product page

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| Quantity: | 100 μL | |
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| Target: | IDH3B | |
| Binding Specificity: | C-Term | |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Horse, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Goat, | |
| | Saccharomyces cerevisiae | |
| Host: | Rabbit | |
| Clonality: | Polyclonal | |
| Conjugate: | This IDH3B antibody is un-conjugated | |
| Application: | Western Blotting (WB) | |
| Product Details | | |
| Immunogen: | The immunogen is a synthetic peptide directed towards the C-terminal region of human IDH3G | |
| Sequence: | YMTRHNNLDL VIIREQTEGE YSSLEHEVRP QKLGEGKDED GREVELLVSL | |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, | |
| | Rabbit: 100%, Rat: 100%, Yeast: 93%, Zebrafish: 100% | |
| Characteristics: | This is a rabbit polyclonal antibody against IDH3B. It was validated on Western Blot. | |
| Purification: | Affinity Purified | |
| Target Details | | |
| Target: | IDH3B | |
| | | |

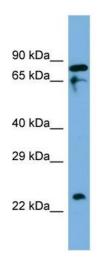
Target Details

| Alternative Name: | ternative Name: IDH3B (IDH3B Products) | | |
|---------------------|---|--|--|
| 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 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 fo | | |
| | periventricular heterotopia. Several alternatively spliced transcript variants of this gene have | | |
| | been described, but only some of their full length natures have been determined. | | |
| | Alias Symbols: H-IDHG | | |
| | Protein Size: 204 | | |
| Molecular Weight: | 22 kDa | | |
| Gene ID: | 3421 | | |
| NCBI Accession: | NM_004135, NP_004126 | | |
| UniProt: | P51553 | | |
| Application Details | | | |
| Restrictions: | For Research Use only | | |
| Handling | | | |
| Format: | Liquid | | |
| Concentration: | 1 mg/mL | | |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % | | |
| | sucrose. | | |
| 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

| Handling Advice: | Avoid repeat freeze-thaw cycles. | |
|------------------|---|--|
| Storage: | -20 °C | |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. | |

Images



Host: Rabbit

Target Name: IDH3B

Sample Tissue: THP-1 Cell Lysate

Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Rabbit Target Name: IDH3B Sample Type: THP-1 Whole Cell lysates Antibody Dilution: 1.0ug/ml