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## Datasheet for ABIN7111489 anti-alpha KGDHC antibody



Overview

| Overview          |  |
|-------------------|--|
| Quantity:         | 100 µg   |
| Target:           | alpha KGDHC (alphaKGDHC)   |
| Reactivity:       | Human, Rat, Mouse  |
| Host:             | Rabbit   |
| Clonality:        | Polyclonal   |
| Conjugate:        | This alpha KGDHC antibody is un-conjugated   |
| Application:      | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)              |
| Product Details   |  |
| Immunogen:        | oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)                                   |
| lsotype:          | lgG  |
| Purification:     | Immunogen affinity purified  |
| Purity:           | ≥95 % as determined by SDS-PAGE  |
| Target Details    |  |
| Target:           | alpha KGDHC (alphaKGDHC)   |
| Alternative Name: | OGDH (alphaKGDHC Products)   |
| Background:       | Synonyms:AKGDH Background:This gene encodes one subunit of the 2-oxoglutarate                  |
|                   | dehydrogenase complex. This complex catalyzes the overall conversion of 2-oxoglutarate         |
|                   | denydrogenase complex. This complex catalyzes the overall conversion of z-oxogiutarate         |
|                   | (alpha-ketoglutarate) to succinyl-CoA and CO(2) during the Krebs cycle. The protein is located |

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| Target Details      |   |  |
|---------------------|---|--|
|                     | deficiency in 2-oxoglutarate dehydrogenase activity is believed to lead to hypotonia, metabolic<br>acidosis, and hyperlactatemia. Alternative splicing results in multiple transcript variants<br>encoding distinct isoforms. |  |
| Molecular Weight:   | 116 kDa   |  |
| Gene ID:            | 4967  |  |
| UniProt:            | Q02218  |  |
| Application Details |   |  |
| Application Notes:  | WB: 1:500 - 1:2000, IHC: 1:50 - 1:200, IF: 1:50 - 1:100   |  |
| Restrictions:       | For Research Use only   |  |
| Handling            |   |  |
| Format:             | Liquid  |  |
| Buffer:             | PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3 ,   |  |
| Preservative:       | Sodium azide  |  |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |  |
| Storage:            | -20 °C  |  |
| Storage Comment:    | -20°C for 12 months (Avoid repeated freeze / thaw cycles.)  |  |
| Expiry Date:        | 12 months   |  |

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