antibodies

Datasheet for ABIN7126413 anti-RHOBTB2 antibody (AA 554-604)



Overview

| Quantity: | 100 µg | |
|----------------------|---|--|
| Target: | RHOBTB2 | |
| Binding Specificity: | AA 554-604 | |
| Reactivity: | Human | |
| Host: | Mouse | |
| Clonality: | Monoclonal | |
| Conjugate: | This RHOBTB2 antibody is un-conjugated | |
| Application: | Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) | |
| Product Details | | |
| Immunogen: | Human recombinant RHOBTB2 protein fragment (around aa554-604) (exact sequence is | |
| | proprietary) | |
| Isotype: | lgG2 | |
| Specificity: | The Rho subfamily of Ras-related GTPases controls multiple aspects of cell function, including | |
| | cytoskeletal rearrangement, nuclear signaling and cell growth. DBC-2 (deleted in breast cancer | |
| | 2 gene protein), also known as RHOBTB2 (Rho-related BTB domain-containing protein 2), is a | |
| | 727 amino acid member of the RhoBTB subfamily of Rho GTPases. Members of the RhoBTB | |
| | subfamily are evolutionarily conserved and are characterized by a proline-rich region, a GTPase | |
| | domain and two tandem BTB repeats. Expressed ubiquitously with highest levels in neural | |
| | tissue, heart, brain and fetal lung, DBC-2 contains two BTB (POZ) domains through which it may | |
| | bind to and regulate the function of target proteins, such as CUL-3. Additionally, DBC-2 is | |
| | thought to function as a regulator of cell cycle and apoptosis events. Under normal conditions, | |
| | anought to runotion do a regulator of och ofoic and apoptoble overter. Onder normal contatione, | |

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| | DBC-2 is thought to exhibit tumor suppressor activity. Mutations in the gene encoding DBC-2 |
|-----------------------------|---|
| | are associated with breast cancer, suggesting that mutated DBC-2 may play a role in |
| | carcinogenesis. |
| Cross-Reactivity (Details): | Human. |
| Purification: | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. |

Target Details

| Target: | RHOBTB2 |
|-------------------|--|
| Alternative Name: | RHOBTB2 (RHOBTB2 Products) |
| Background: | Deleted in breast cancer 2 gene protein, p83, Rho related BTB domain containing protein 2,DBC2 / RHOBTB2 Cellular localisation: Secreted in plasma |
| Molecular Weight: | 83kDa |
| Gene ID: | 23221, 372688 |
| UniProt: | Q9BYZ6 |

Application Details

| Application Notes: | Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at | |
|--------------------|---|--|
| | RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with | |
| | 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes),Optimal | |
| | dilution for a specific application should be determined. | |
| | Positive_Control: Human heart muscle or brain tissue. | |
| Restrictions: | For Research Use only | |
| | | |
| Handling | | |
| Concentration: | 1.0 mg/mL | |
| Buffer: | Prepared in 10 mM PBS, WITHOUT BSA and Azide. | |
| Preservative: | Azide free | |
| Storage: | -20 °C,-80 °C | |
| Storage Comment: | Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non- | |
| | | |

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| | hazardous. |
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| Expiry Date: | 24 months |

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