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Datasheet for ABIN7126412

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 aa 554-604) (exact sequence is proprietary)
Isotype:	IgG2b
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,

Product Details

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-

Handling

hazardous.

Expiry Date: 24 months