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&degC 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.
Expiry Date:	24 months

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