

Mouse anti-Human DBC2/RHOBTB2 Monoclonal Antibody | anti-RHOBTB2 antibody

DBC2/RHOBTB2

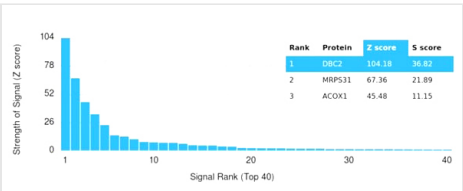
CATALOG # AAA215459	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

DBC2/RHOBTB2; Monoclonal Antibody; Deleted in breast cancer 2 gene protein; p83; Rho related BTB domain containing protein 2; anti-RHOBTB2 antibody

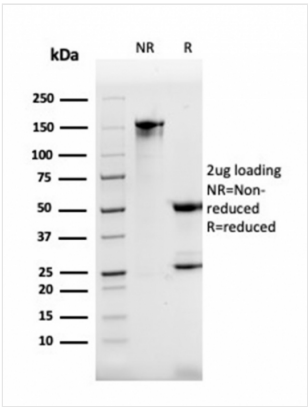
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	DBC2/3362
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, 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	727
Applicable Applications for anti-RHOBTB2 antibody	IHC (Immunohistochemistry)
Immunogen	Human recombinant RHOBTB2 protein fragment (around aa554-604) (exact sequence is proprietary)
Cellular Localization	Secreted in Plasma
Hu-chromosome Location	8p21.3
Positive Control	Human heart muscle or Brain tissue.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



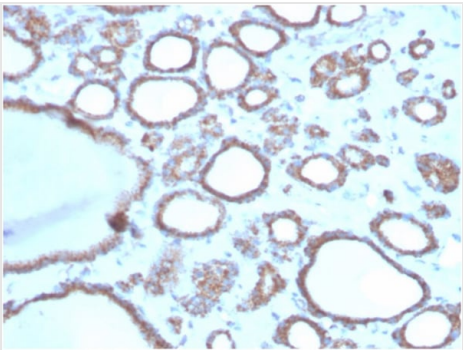
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using DBC2 Mouse Monoclonal Antibody (DBC2/3362). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

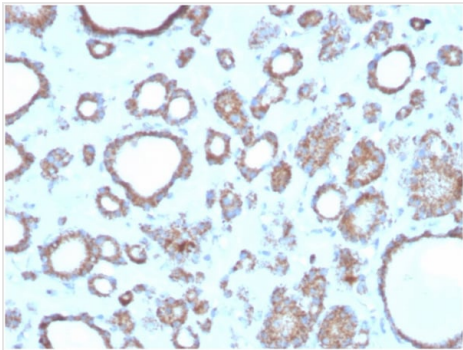


SDS-PAGE

SDS-PAGE Analysis Purified DBC2 Mouse Monoclonal Antibody (DBC2/3362). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human thyroid stained with DBC2 Mouse Monoclonal Antibody (DBC2/3362).



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Formalin-fixed, paraffin-embedded human thyroid stained with DBC2 Mouse Monoclonal Antibody (DBC2/3362).

ADDITIONAL INFORMATION

References	Ramos, S., et al. 2002. Gene 298: 147-157.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12667516
NCBI GeneID	23221
UniProt Accession #	Q9BYZ6
Molecular Weight	83kDa
NCBI Official Full Name	DBC2
NCBI Official Synonym Full Names	Rho related BTB domain containing 2
NCBI Official Symbol	RHOBTB2
NCBI Official Synonym Symbols	p83; DBC2; EIEE64
NCBI Protein Information	rho-related BTB domain-containing protein 2
UniProt Protein Name	Rho-related BTB domain-containing protein 2
UniProt Gene Name	RHOBTB2

UniProt Synonym Gene Names	DBC2; KIAA0717
UniProt Entry Name	RHBT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/dbc2-rhobtb2-antibody-clone-dbc2-3362-immunohistochemistry-elisa/215459>