

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

DBC2/RHOBTB2 Mouse Monoclonal Antibody [Clone DBC2/3361]

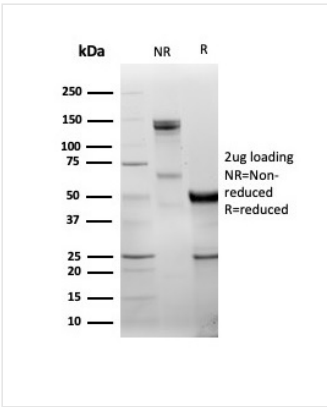
|                               |                      |                            |                                             |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA215656</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

DBC2/RHOBTB2; Monoclonal Antibody; DBC2/RHOBTB2 Mouse Monoclonal Antibody [Clone DBC2/3361]; 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                                           | Mouse/IgG2b, kappa                                                                                                                                                          |
| Clone Number                                      | DBC2/3361                                                                                                                                                                   |
| 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.      |
| Concentration                                     | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)                                                           |
| Applicable Applications for anti-RHOBTB2 antibody | IHC (Immunohistochemistry)                                                                                                                                                  |
| Immunogen                                         | Human recombinant RHOBTB2 protein fragment (around aa 554-604) (exact sequence is proprietary)                                                                              |
| Cellular Localization                             | Secreted in plasma                                                                                                                                                          |
| Positive Control                                  | Human heart muscle or brain tissue.                                                                                                                                         |
| Hu-chromosome Location                            | 8p21.3                                                                                                                                                                      |
| Unigene                                           | 372688                                                                                                                                                                      |
| Preparation and Storage                           | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |



**SDS-PAGE**  
SDS-PAGE Analysis Purified DBC2 Mouse Monoclonal Antibody (DBC2/3361). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

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| <b>Related Product Information for anti-RHOBTB2 antibody</b> | 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| NCBI GI #                        | 12667516                                                                                  |
| NCBI GeneID                      | 23221                                                                                     |
| UniProt Accession #              | Q9BYZ6; O94825; Q8N4A8; Q9BZK6; A8K9Z8; D3DSR8; E9PBU2; E9PEI7                            |
| Molecular Weight                 | 83,469 Da                                                                                 |
| NCBI Official Full Name          | DBC2                                                                                      |
| NCBI Official Synonym Full Names | Rho-related BTB domain containing 2                                                       |
| NCBI Official Symbol             | RHOBTB2                                                                                   |
| NCBI Official Synonym Symbols    | DBC2                                                                                      |
| NCBI Protein Information         | rho-related BTB domain-containing protein 2; deleted in breast cancer 2 gene protein; p83 |
| 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.