

## Anti-DBC2 Antibody [DBC2/3361] - BSA and Azide free (A278200)

### Specifications:

Name:	Anti-DBC2 Antibody [DBC2/3361] - BSA and Azide free
Description:	Mouse monoclonal [DBC2/3361] antibody to DBC2.
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.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 554-604, of human DBC2 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	DBC2/3361
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

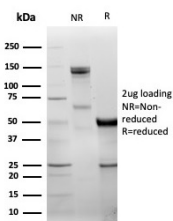
## Anti-DBC2 Antibody [DBC2/3361] - BSA and Azide free (A278200)

### Specifications continued:

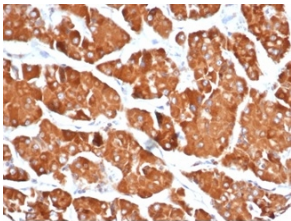
**General Notes:** This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-DBC2 Antibody [DBC2/3361] (A277612).

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

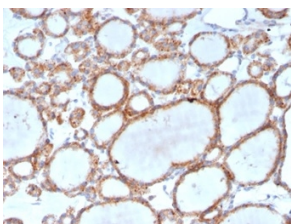
### Images:



SDS-PAGE analysis of Anti-DBC2 Antibody [DBC2/3361] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



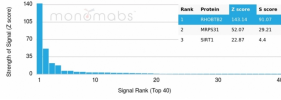
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human renal oncocytoma using Anti-DBC2 Antibody [DBC2/3361] at 2 $\mu$ g/ml in PBS for 30 minutes at room temperature.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human thyroid using Anti-DBC2 Antibody [DBC2/3361] at 2 $\mu$ g/ml in PBS for 30 minutes at room temperature.

## Anti-DBC2 Antibody [DBC2/3361] - BSA and Azide free (A278200)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-DBC2 Antibody [DBC2/3361]. Z-Score 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.