bs-4274R **[Primary Antibody]**

DBC2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 23221 **SWISS:** Q9BYZ6

Target: DBC2

Immunogen: KLH conjugated synthetic peptide derived from human DBC2: 631-727/727.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: DBC2 is a member of the recently identified RhoBTB family, which is part of the Rho GTPase family. DBC2 has been implicated as a tumor suppressor in breast and lung cancer. Studies have shown that DBC2 binds to the ubiquitin ligase scaffold Cul3, and that Cul3 regulates DBC2 protein levels by ubiquitinating DBC2 directly, leading to its degradation by the proteasome.

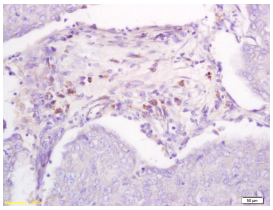
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Horse)

Predicted MW.: 83 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-DBC2 Polyclonal Antibody, Unconjugated(bs-4274R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=7.032]** Hyun Jeong Seok. et al. Novel miR-5088-5p promotes malignancy of breast cancer by inhibiting DBC2. Mol Ther-Nucl Acids. 2021 May;: IHC ;Mouse, Human. 10.1016/j.omtn.2021.05.004