

DBC2 Rabbit pAb

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Catalog # AP58144

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BYZ6
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82626
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DBC2
Epitope Specificity	631-727/727
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	23221
Other Names	Rho-related BTB domain-containing protein 2, Deleted in breast cancer 2 gene protein, p83, RHOBTB2, DBC2, KIAA0717
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

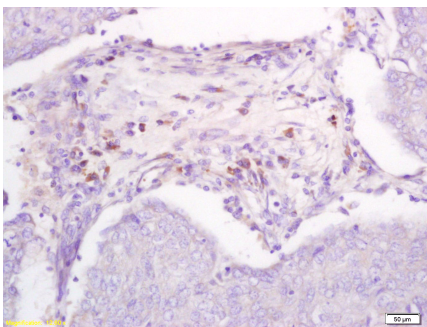
Name	RHOBTB2
Synonyms	DBC2, KIAA0717

Function	Regulator of cell proliferation and apoptosis (PubMed: 21801820). It likely functions as a substrate-adaptor that recruits key substrates, e.g. MSI2, to CUL3-based ubiquitin ligase complexes for degradation (PubMed: 15107402 , PubMed: 27941885). Required for MSI2 ubiquitination and degradation (PubMed: 27941885).
Tissue Location	Ubiquitous, with highest levels in neural tissues. Expression is also detected in fetal lung, heart, and brain

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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(AP58144) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.