PRODUCT INFORMATION

Catalog number ADA0925

Clone No. 2A5

Product type Monoclonal Antibody

UnitProt No. Q96B18

NCBI Accession No. NP_659493

Alternative Names

Thymus expressed gene 3-like, Dapper antagonist of beta-catenin homolog 3 (Xenopus laevis), Arginine rich region 1, MGC15476

PRODUCT SPECIFICATION

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human DACT3 (89-202aa) purified from E. coli

Isotype

lgG1 kappa

Purification Note By protein-G affinity chromatography

Application

ELISA, WB, IHC

Usage

The antibody has been tested by ELISA, Western blot and IHC analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

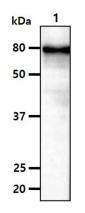
DACT3, a member of the DACT (Dpr/Frodo) gene family, plays an important role in a negative regulator of Wnt/catenin signaling. Unlike other Wnt signaling inhibitors that are silenced by DNA methylation, DACT3 repression is associated with bivalent histone modifications.

General References

Jiang X, et al., (2008) Cancer Cell. 13(6):529-41. Fisher DA, et al., (2006) Dev Dyn. 235(9):2620-30.

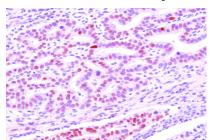
DATA

Western blot analysis (WB)



The tissue lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human DACT3 antibody (1:250). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Mouse Brain tissue lysate

Immunohistochemistry (IHC)



Paraffin embedded sections of human gastric cancer tissue were incubated with anti-human DACT3 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)

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