

# Human Dapper 3/DACT3 antibody

Catalog Number: ADA0925

## PRODUCT INFORMATION

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**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

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**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**

IgG1 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.

# Human Dapper 3/DACT3 antibody

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## 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

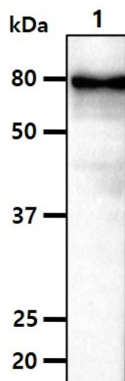
DACT3, a member of the DACT (Dpr/Frodo) gene family, plays an important role in a negative regulator of Wnt/-catenin signaling. Unlike other Wnt signaling inhibitors that are silenced by DNA methylation, DACT3 repression is associated with bivalent histone modifications.

### General References

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

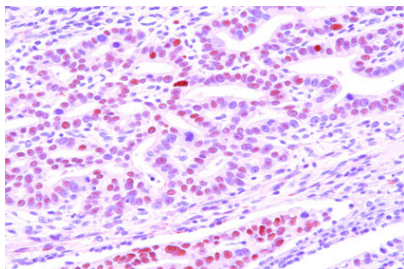
## DATA

### 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)