

Product: Anti-DACT3, human
Catalog #: 01-2676
Amount: 100 µl

CATEGORY: Mouse monoclonal
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
NCBI Accession No.: NP_659493
CLONE: 2A5
IMMUNOGLOBULIN SUBTYPE: Mouse IgG1 kappa
IMMUNOGEN: Recombinant human DACT3 (89-202aa) purified from *E. coli*
FORM: Affinity purified, in PBS containing 0.05% NaN₃ and protein stabilizer
ANTIGEN RECOGNIZED IN SPECIES: Human
SPECIFICITY: Human DACT3
APPLICATION (tested so far): Immunoblotting (western, ECL)
 ELISA
 Immunohistochemistry (IHC)
POSITIVE CONTROL: Human gastric cancer tissue
CONCENTRATION: 0.1 mg/ml
WORKING DILUTION: Immunoblotting: 1:25 – 1:50
 ELISA: starting dilution: 1:25
 IHC: starting dilution 1:5
 The optimal working dilution should be determined by serial dilution
 2-8°C for immediate use, or at -20°C (aliquot)

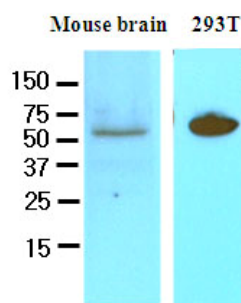
STORAGE:

REFERENCE:

Jiang X, *et al.*, (2008) *Cancer Cell*. **13** (6): 529–541
 Fisher DA, *et al.*, (2006) *Dev Dyn*. **235** (9): 2620–2630

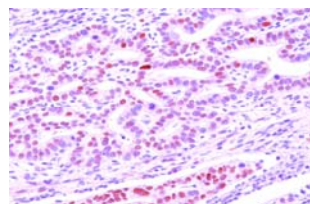
Western blot analysis

Cell lysates of mouse brain and 293T (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human DACT3 (1:25). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system



Immunohistochemistry

Paraffin embedded sections of human gastric cancer tissue were incubated with anti-human DACT3 (1:5) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



Human gastric cancer tissue

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.