

TWA1 Antibody

TWA1: Two hybrid-associated protein 1 with RanBPM

CATALOG No.: 5305

BACKGROUND:

TWA1 was identified through a two hybrid-associated protein screen with RanBPM. TWA1 is well conserved through evolution and is localized within the nucleus (1). It interacts with RanBP9 and comprises a protein complex with RanBPM and Muskelin (2). TWA1 was found to possess the LisH-CTLH motif which is detected in proteins involved in microtubule dynamics, cell migration, nucleokinesis and chromosome segregation. These functions overlap with functions suggested for the RanGTPase cycle. Recent findings suggested that there is an as yet uncovered function of the RanGTPase cycle (1,2).

SOURCE:

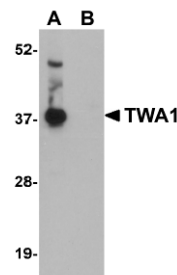
Rabbit polyclonal TWA1 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human TWA1 (GenBank accession no. NP_060366).

STORAGE:

TWA1 antibody is supplied as immunoaffinity chromatography purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

APPLICATION:

TWA1 antibody can be used for detection of TWA1 by Western blot at 1 - 2 µg/ml. (Optimal dilution should be determined by user.) Human brain tissue lysate can be used as positive control. TWA1 antibody is human, mouse and rat reactive. **For research use only.**



Western blot analysis of TWA1 in human brain tissue lysate with TWA1 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

RELATED PRODUCTS:

Blocking peptide, Catalog No. **5305P**.

Human Brain Tissue Lysate, Catalog No. **1303**.

RGPD5 Antibody (NT), Catalog No. **4585**.

REFERENCES:

1. Umeda M, Nishitani H, and Nishimoto T. A novel nuclear protein, Twa1, and Muskelin comprise a complex with RanBPM. *Gene* 2003; 303:47-54.
2. Kobayashi N, Yang J, Ueda A, et al. RanBPM, Muskelin, p48EMLP, p44CTLH, and the armadillo-repeat proteins ARMC8alpha and ARMC8beta are components of the CTLH complex. *Gene* 2007; 396:236-47.

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