Anti-TDAG51

Cat #: HM1367
Mouse monoclonal IgG
0.2 μg/μl, store at 4 °C

For research use only

BACKGROUND
TDAG51 (T cell death associated gene 51) was originally described as being required for the T cell receptor-dependent induction of Fas/CD95 expression in a murine T cell hybridoma. It can restore activation-induced apoptosis in cells that have lost the ability to display Fas in response to activation. TDAG51 may play a critical role in T cell apoptosis by coupling TCR stimulation to Fas expression. TDAG51 is specifically induced by IGF-I and plays an important role in the anti-apoptotic effects of IGF-I. TDAG51 contains pleckstrin homology domains which bind polyphosphoinositides. TDAG51 gene (PHLDA1) contains (CAG)n trinucleotide repeat which has been associated with several neurological disorders in which the repeats code for polyglutamine in the protein.

SPECIFICITY
This antibody specifically reacts with TDAG51 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitiation and immunohistochemistry.

Molecular Weight of TDAG51: 40 kDa.
Western blotting positive controls: Hep G2 cell lysate.

IMMUNOGEN
A synthetic peptide derived from N-terminus of human TDAG51 protein.

STORAGE
This antibody is stable for 24 months when stored at 2-8°C.

REFERENCES
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3. Frank D, Mendelsohn CL, Ciccone E, Svensson K, Ohlsson R, Tycko B. (1999) A novel pleckstrin homology-related gene family defined by Ipl/Tssc3, TDAG51, and Tih1: tissue-specific expression, chromosomal location, and parental imprinting. Mamm Genome. 10:1150-9.
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