Anti-DRAK2 (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2149
Size: 100ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Certain serine/threonine protein kinases, such as ASK-1 and RIP, are mediators of apoptosis. Two novel serine/threonine kinases that induce apoptosis have been identified and designated DRAK1 and DRAK2 for DAP kinase–related apoptosis-inducing protein kinases. DRAKs contain an N-terminal kinase domain and a C-terminal regulation domain. Overexpression of DRAK2 induces apoptosis. DRAKs have high sequence homology to DAP and ZIP kinases, and they represent a novel family of serine/threonine kinases which mediate apoptosis through their catalytic activities. DRAK2 is located in cell nuclei, and the mRNA for DRAK2 is ubiquitously expessed in human tissues.

SPECIFICATION SUMMARY

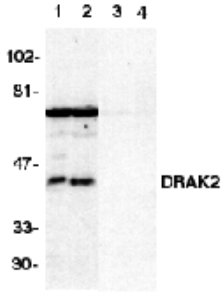
Antigen: Peptide corresponding to aa 351-365 of human DRAK2 (accession no. AB011421).
Host Species: Rabbit
Stabilizers: None
Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human DRAK2 (45kDa). No cross-reactivity with DRAK1, DAP or ZIP kinases.

APPLICATIONS

Immunoblotting: use at 1ug/ml.

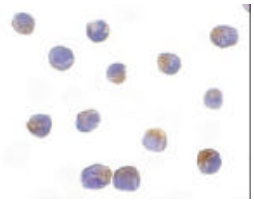


Western blot analysis of DRAK2 in Jurkat (1,3) and Raji (2,4) cell lysate in the absence (1,2) or presence (3,4) of blocking peptide with DRAK2 antibody at 1μg/ml.

NOTE: The approx. 70kDa band observed is peptide-blockable and may represent DRAK2 complexed with another protein.

Positive control: Whole cell lysate from Jurkat or Raji cells.

Immunocytochemistry: use at 10ug/ml



Immunocytochemical staining of DRAK2 in Jurkat cells with DRAK2 antibody at 10μg/ml.

These are recommended concentrations. Enduser should determine optimal concentrations or their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

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