

Product Datasheet

DAP Kinase 1 Antibody

Catalog No: CY5280

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



Information

UniProt ID: Q9UIK4

All Names: DAK1; DAP K1; DAP kinase 1; DAPK 1; DAPK; DAPK1; DAPK1_HUMAN; Death Associated Protein Kinase 1; Death-associated protein kinase 1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: Synthesized peptide

Molecular Wt.: 160kDa

Application

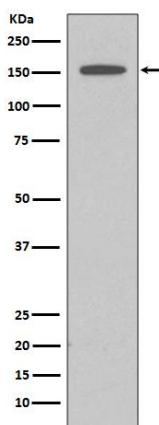
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

DAP (death associated protein) kinase and ZIP kinase are members of a novel protein kinase family, the members of which have the capacity to mediate apoptosis through their catalytic activities. DAP kinase (DAPK) contains a "death domain" and has been shown to mediate IFN- γ -induced apoptosis. The introduction of DAPK into highly metastatic carcinoma clones lacking DAPK expression has been shown to result in the suppression of metastasis, thus linking suppression of apoptosis to metastasis. ZIP kinase contains a leucine zipper domain, which is necessary for homodimerization and for interaction with other leucine zipper proteins. ZIP kinase dimerizes with ATF-4, an ATF/CREB transcription factor family member that contains a leucine zipper. Overexpression of ZIP kinase has been shown to result in morphological changes associated with apoptosis in NIH/3T3 cells.



Western blot analysis of extracts from HeLa cells, using DAP Kinase 1 antibody.

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