

Product datasheet for **TA307795**

DAP Kinase 2 (DAPK2) Rabbit Monoclonal Antibody [Clone ID: EPR1634(2)]

Product data:

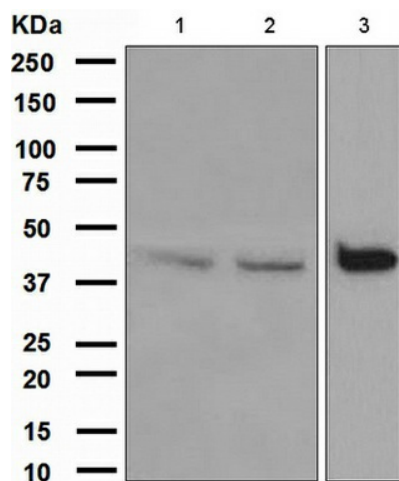
Product Type:	Primary Antibodies
Clone Name:	EPR1634(2)
Applications:	WB
Recommended Dilution:	WB: 1:1000 - 1:10000
Reactivity:	Human (Does not react with: Mouse, Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues on the C-terminus in human DAPK2 was used as an immunogen.
Formulation:	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	death associated protein kinase 2
Database Link:	NP_055141 Entrez Gene 13143 Mouse Entrez Gene 300799 Rat Entrez Gene 23604 Human Q9UIK4

Background: Protein kinase termed death-associated protein kinase 2 (DAPK2) dependent on calcium/calmodulin (Ca²⁺/CaM) contains an N-terminal protein kinase domain followed by a conserved CaM-binding domain with significant homologies to those of DAP kinase, a protein kinase involved in apoptosis. The region of homology spans the catalytic domain and the CaM-regulatory region, whereas the remaining C-terminal part of the protein differs completely from DAP kinase and displays no homology to any known protein. The catalytic domain is also homologous to the recently identified ZIP kinase and to a lesser extent to the catalytic domains of DRAK1 and -2 (1). Overexpression of DAPK2 significantly induced the morphological changes characteristic of apoptosis. Results indicate that DAPK2 is an additional member of DAP kinase family involved in apoptotic signaling (2).



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Synonyms: DRP-1; DRP1
Note: Is unsuitable for Flow Cyt, ICC, IHC-P or IP.
Protein Families: Druggable Genome, Protein Kinase
Protein Pathways: Bladder cancer, Pathways in cancer

Product images:

Western blot - DAP Kinase 2 antibody [EPR1634 (2)]; All lanes : Anti-DAP Kinase 2 antibody [EPR1634 (2)] at 1/1000 dilution. Lane 1 : Human fetal brain lysate. Lane 2 : HepG2 cell lysate. Lane 3 : A431 cell lysate. Lysates/proteins at 10 ug per lane. Predicted band size : 43 kDa.