



## Rabbit Anti-phospho-DAP Kinase 1 (Ser308) antibody

SL20054R

<b>Product Name:</b>	phospho-DAP Kinase 1 (Ser308)
<b>Chinese Name:</b>	磷酸化凋亡相关蛋白激酶1抗体
<b>Alias:</b>	DAP Kinase 1 (phospho Ser308); DAP Kinase 1 (phospho S308); DAK1; DAP K1; DAP kinase 1; DAPK 1; DAPK; DAPK1; DAPK1_HUMAN; Death Associated Protein Kinase 1; Death-associated protein kinase 1; DKFZp781I035;
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	157kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthesised phosphopeptide derived from human DAP Kinase 1 around the phosphorylation site of Ser308:KQ(p-S)VR
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	DAPK1 expression is frequently lost in human carcinomas and B-cell leukemia, and lower levels of expression correlates with high rates of metastasis. The loss of DAPK

expression provides a link between suppression of apoptosis and metastasis. DAPK1 is thought to be involved in an early apoptotic checkpoint which eliminates premalignant cells from cancer formation. Studies in bladder cancer patients have also shown that hypermethylation of DAPK1 correlates to high recurrence rates and thus DAPK1 may be used as a prognostic marker. DAPK1 is also reportedly a molecular regulator of neuronal death in epilepsy.

**Function:**

Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis.

**Subcellular Location:**

Cytoplasm. Colocalizes with the actin filament system.

**Post-translational modifications:**

Ubiquitinated by the BCR(KLHL20) E3 ubiquitin ligase complex, leading to its degradation by the proteasome.

**Similarity:**

Belongs to the protein kinase superfamily.  
CAMK Ser/Thr protein kinase family.  
DAP kinase subfamily.

**SWISS:**

P53355

**Gene ID:**

1612

**Database links:**

[Entrez Gene: 1612](#)Human

[Entrez Gene: 69635](#)Mouse

[Entrez Gene: 306722](#)Rat

[Omim: 600831](#)Human

[SwissProt: P53355](#)Human

[SwissProt: Q80YE7](#)Mouse

[Unigene: 380277](#)Human

[Unigene: 693441](#)Human

**Important Note:**

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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