



# DAPK1 (Phospho-Ser308) Polyclonal Antibody

<b>Catalog No</b>	BYab-10339
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	IHC;IF;WB
<b>Gene Name</b>	DAPK1 DAPK
<b>Protein Name</b>	DAPK1 (Phospho-Ser308)
<b>Immunogen</b>	Synthesized peptide derived from human DAPK1 (Phospho-Ser308)
<b>Specificity</b>	This antibody detects endogenous phospho levels of DAPK1 (Phospho-Ser308) at Human:S308, Mouse:S308
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	IHC-p 1:50-200, WB 1:500-2000. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Death-associated protein kinase 1 (DAP kinase 1;EC 2.7.11.1)
<b>Observed Band</b>	160kD
<b>Cell Pathway</b>	[Isoform 1]: Cytoplasm. Cytoplasm, cytoskeleton. Colocalizes with MAP1B in the microtubules and cortical actin fibers.; [Isoform 2]: Cytoplasm. Cytoplasm, cytoskeleton.
<b>Tissue Specificity</b>	Isoform 2 is expressed in normal intestinal tissue as well as in colorectal carcinomas.
<b>Function</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Negatively regulated by autophosphorylation on Ser-308.,function:Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis.,induction:Up-regulated following treatment with interferon-gamma.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.,similarity:Contains 1 death domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 10 ANK repeats.,subcellular location:Colocalizes with the actin filament system.,

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**Background**

Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013],

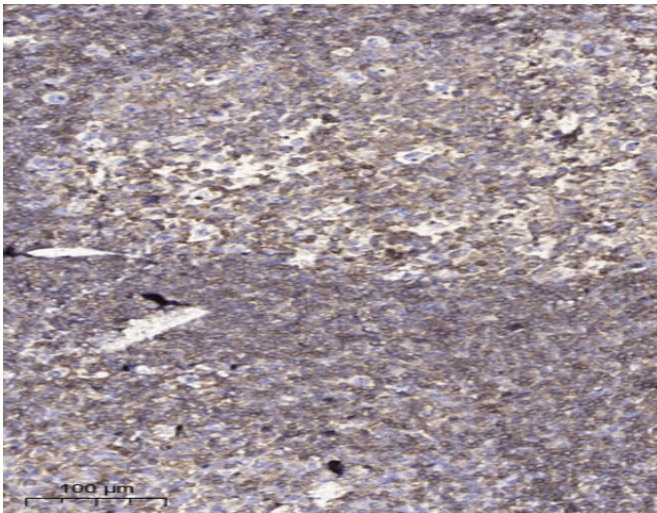
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).