

**DAPK1 (Phospho Ser308) Polyclonal Antibody**

<b>Catalog No :</b>	YP1230
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;WB
<b>Target :</b>	DAPK1
<b>Fields :</b>	>>Autophagy - animal;>>Pathways in cancer;>>Bladder cancer
<b>Gene Name :</b>	DAPK1 DAPK
<b>Protein Name :</b>	DAPK1 (Phospho-Ser308)
<b>Human Gene Id :</b>	1612
<b>Human Swiss Prot No :</b>	P53355
<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>Dilution :</b>	IHC 1:50-200, WB 1:500-2000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	160kD

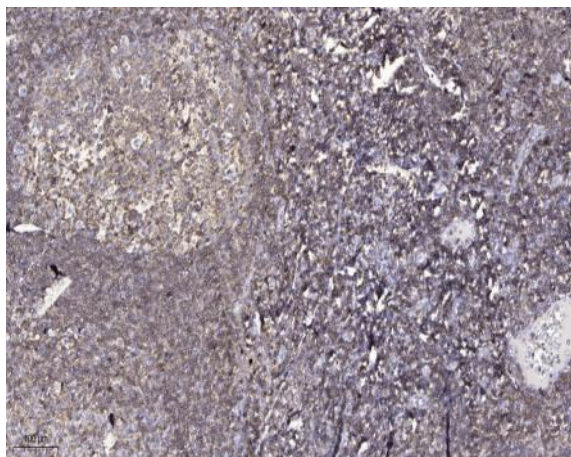
**Background :** Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor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

**Function :** 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.,

**Subcellular Location :** [Isoform 1]: Cytoplasm. Cytoplasm, cytoskeleton. Colocalizes with MAP1B in the microtubules and cortical actin fibers.; [Isoform 2]: Cytoplasm. Cytoplasm, cytoskeleton.

**Expression :** Isoform 2 is expressed in normal intestinal tissue as well as in colorectal carcinomas.

## 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).