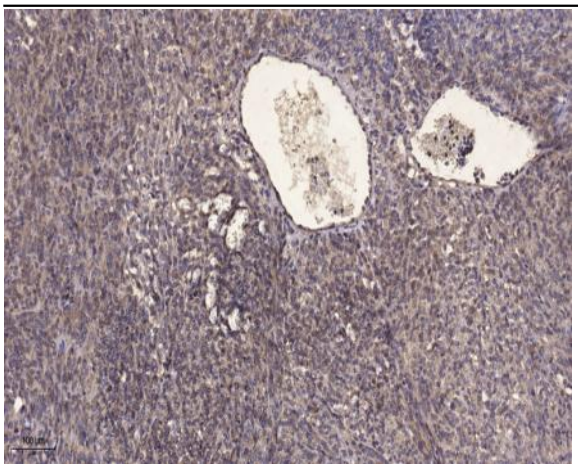
Best Tools for immunology Research

eEF2K (phospho Ser359) Polyclonal Antibody

Catalog No :	YP1093
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	eEF2K
Fields :	>>AMPK signaling pathway;>>Oxytocin signaling pathway
Gene Name :	EEF2K
Protein Name :	Eukaryotic elongation factor 2 kinase
Human Gene Id :	29904
Human Swiss Prot No :	O00418
Mouse Gene Id :	13631
Mouse Swiss Prot No :	O08796
Rat Gene Id :	25435
Rat Swiss Prot No :	P70531
Immunogen :	The antiserum was produced against synthesized peptide derived from human eEF2K around the phosphorylation site of Ser359. AA range:336-385
Specificity :	Phospho-eEF2K (S359) Polyclonal Antibody detects endogenous levels of eEF2K protein only when phosphorylated at S359.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	82kD
Cell Pathway :	AMPK
Background :	This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + [elongation factor 2] = ADP + [elongation factor 2] phosphate.,enzyme regulation:Undergoes calcium/calmodulin-dependent intramolecular autophosphorylation, and this results in it becoming partially calcium/calmodulin-independent.,function:Phosphorylates eukaryotic elongation factor-2. Binds calmodulin.,similarity:Belongs to the protein kinase superfamily. Alpha-type protein kinase family.,similarity:Contains 1 alpha-type protein kinase domain.,subunit:Monomer or homodimer .,
Subcellular Location :	cytoplasm,cytosol,postsynaptic density,
Expression :	Epithelium,Glial tumor,Lymph,T-cell,
Sort :	5417
No4 :	1
Host :	Rabbit
Modifications :	Phospho

Products Images



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 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).