

TLK1 (Phospho Ser764) rabbit pAb

Catalog No :	YP1569
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	TLK1
Gene Name :	TLK1
Protein Name :	TLK1 (Phospho Ser764)
Human Swiss Prot No :	Q9Y4F6
Immunogen :	Synthesized peptide derived from human TLK1 (Phospho Ser764)
Specificity :	This antibody detects endogenous levels of Human TLK1 (Phospho Ser764)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	87kD
Background :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Cell-cycle regulated, maximal activity in S-phase. Inactivated by phosphorylation at Ser-743, potentially by CHK1.,function:Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is

cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly. Isoform 3 phosphorylates and enhances the stability of the t-SNARE SNAP23, augmenting its assembly with syntaxin. Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10'. ,similarity:Belongs to the protein kinase superfamily. ,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. ,similarity:Contains 1 protein kinase domain. ,subunit:Heterodimerizes with TLK2. Interacts with ASF1A and ASF1B. ,tissue specificity:Widely expressed. Present in fetal placenta, liver, kidney and pancreas but not heart or skeletal muscle. Also found in adult cell lines. Isoform 3 is ubiquitously expressed in all tissues examined. ,

Function :

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