

TLK1 (Phospho Ser764) Rabbit pAb

CatalogNo: YP1569

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 87kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human TLK1 (Phospho Ser764)

Specificity This antibody detects endogenous levels of Human TLK1 (Phospho Ser764). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): SNSSG

| Target Information

Gene name TLK1

Protein Name TLK1 (Phospho Ser764)

Organism	Gene ID	UniProt ID
Human		Q9Y4F6 ;

Function

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. ,

| Validation Data

| Contact information

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