

QIK/QSK (Phospho Thr175/163) Rabbit pAb

CatalogNo: YP1687 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 105kD (Observed)

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 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human QIK/QSK (Phospho-Thr175/163)

Specificity This antibody detects endogenous levels of QIK/QSK only when phosphorylated at Thr175 or 163, and dually phosphorylated at two sites. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): LATWC

Target Information

Gene name SIK2 KIAA0781 QIK SNF1LK2

Protein Name QIK/QSK (Phospho-Thr175/163)

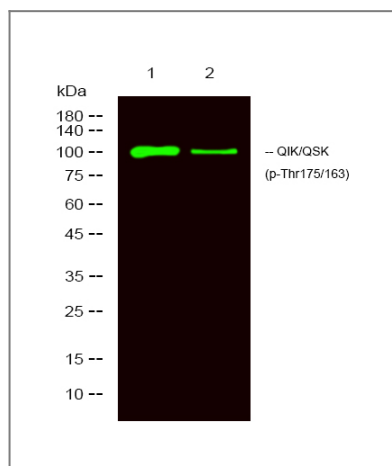
Organism	Gene ID	UniProt ID
Human	23235;	Q9H0K1;
Mouse	235344;	Q8CFH6;

Cellular Localization Cytoplasm . Endoplasmic reticulum membrane .

Tissue specificity Brain,Colon,Lung,Testis,

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-175 by STK11 in complex with STE20-related adapter-alpha (STRAD alpha) pseudo kinase and CAB39.,Function:Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. AMPK subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UBA domain.,subunit:Interacts with and phosphorylates TORC2/CRTC2.,

Validation Data



Western Blot analysis of 1 HeLa, 2 treated with LPS 100ng/mL 20mim,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

Contact information

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Please scan the QR code to access additional product information:
QIK/QSK (Phospho Thr175/163) Rabbit pAb

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