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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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STK4 monoclonal antibody (M02), clone 4F4

Catalog # : H00006789-M02

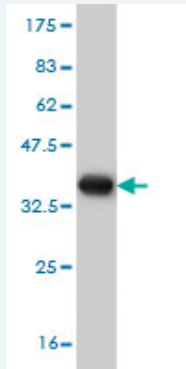
規格 : [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant STK4.
Immunogen:	STK4 (NP_006273, 391 a.a. ~ 485 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	AKPSFLEYFEQKEKENQINSFGKSVPGPLKNSSDWKIPQDGDYEFLLKSW TVEDLQKRLLALDPMMEQEIEEIRQKYQSKRQPILDAIEAKRRQQ
Host:	Mouse
Reactivity:	Human, Mouse, Rat
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.19 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

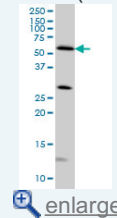
Datasheet: [Download](#)

Applications

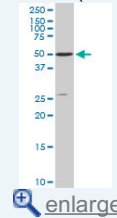
Western Blot (Cell lysate)

Application Image

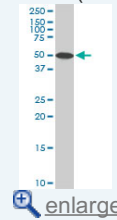
Western Blot (Cell lysate)



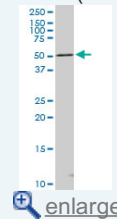
Western Blot (Cell lysate)



Western Blot (Cell lysate)

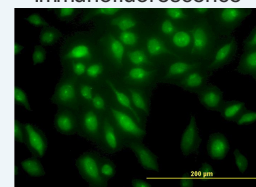


Western Blot (Cell lysate)

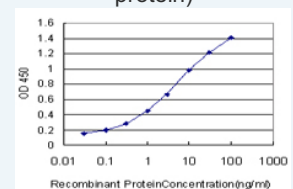


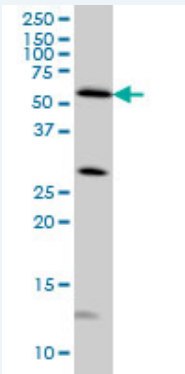
Western Blot (Recombinant protein)

Immunofluorescence



Sandwich ELISA (Recombinant protein)





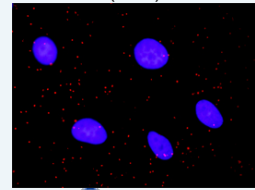
STK4 monoclonal antibody (M02), clone 4F4 Western Blot analysis of STK4 expression in HeLa (Cat # L013V1).

 [Protocol Download](#)

 [enlarge](#)

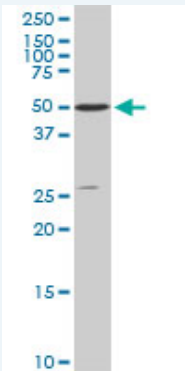
ELISA

In situ Proximity Ligation Assay
(Cell)



 [enlarge](#)

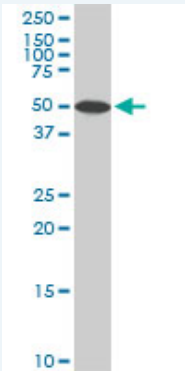
Western Blot (Cell lysate)



STK4 monoclonal antibody (M02), clone 4F4. Western Blot analysis of STK4 expression in PC-12 (Cat # L012V1).

 [Protocol Download](#)

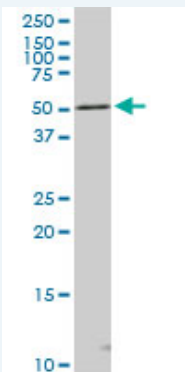
Western Blot (Cell lysate)



STK4 monoclonal antibody (M02), clone 4F4. Western Blot analysis of STK4 expression in Raw 264.7 (Cat # L024V1).

 [Protocol Download](#)

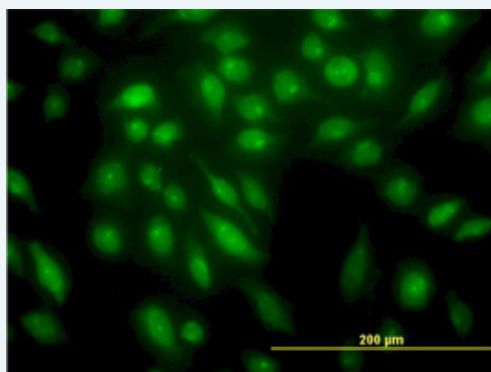
Western Blot (Cell lysate)




STK4 monoclonal antibody (M02), clone 4F4. Western Blot analysis of STK4 expression in NIH/3T3 (Cat # L018V1).

Western Blot (Recombinant protein)

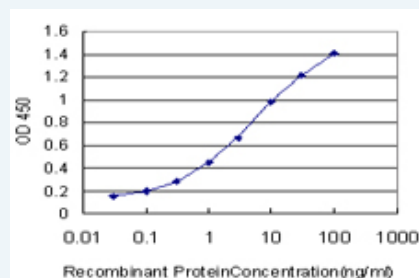
Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of monoclonal antibody to STK4 on HeLa cell. [antibody concentration 25 ug/ml]

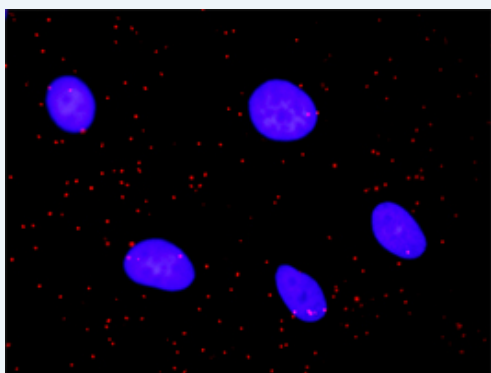
Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged STK4 is approximately 0.1 ng/ml as a capture antibody.

ELISA

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between TP53 and STK4. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-STK4 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [6789](#)

GeneBank [NM_006282](#)
Accession#:

Protein [NP_006273](#)
Accession#:

Gene Name: STK4

Gene Alias: DKFZp686A2068,KRS2,MST1,YSK3

Gene Description: serine/threonine kinase 4

Omim ID: [604965](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and it's possible that this protein induces the chromatin condensation observed in this process. [provided by RefSeq]

Other Designations: OTTHUMP00000043418,dJ211D12.2 (serine/threonine kinase 4 (MST1, KRS2)),kinase responsive to stress 2,mammalian sterile 20-like 1,yeast Ste20-like

Gene Pathway

[MAPK signaling pathway](#) [Non-small cell lung cancer](#) [Pathways in cancer](#)

Related Disease

[Kidney Failure, Chronic](#) [Tobacco Use Disorder](#)

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