STK3/STK4 (Human) Cell-Based ELISA Kit

Catalog # KA5638 Size 1 Kit

Specification

Product Description	STK3/STK4 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of Mst1/2 expression in cultured cells.
Suitable Sample	Attached cell, loosely attached cell and suspension cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at 4°C for six months.

Applications

- Qualitative

Gene Info — STK3

Entrez GeneID	6788
Protein Accession#	Q13188; Q13043
Gene Name	STK3
Gene Alias	FLJ90748, KRS1, MST2
Gene Description	serine/threonine kinase 3 (STE20 homolog, yeast)

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Omim ID	605030
Gene Ontology	Hyperlink
Gene Summary	Protein kinase activation is a frequent response of cells to treatment with growth factors, chemicals, heat shock, or apoptosis-inducing agents. This protein kinase activation presumably allows cells to resist unfavorable environmental conditions. The yeast 'sterile 20' (Ste20) kinase acts upstream of the mitogen-activated protein kinase (MAPK) cascade that is activated under a variety of stress conditions. MST2 was identified as a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand (MIM 134638) (Taylor et al., 1996 [PubMed 8816758]; Lee et al., 2001 [PubMed 11278283]).[supplied by OMIM
Other Designations	serine/threonine kinase 3 (Ste20, yeast homolog)

Gene Info — STK4

Entrez GeneID	6789
Protein Accession#	Q13188; Q13043
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

Pathway

- MAPK signaling pathway
- MAPK signaling pathway

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- Non-small cell lung cancer
- Pathways in cancer

Disease

- Kidney Failure
- Tobacco Use Disorder

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