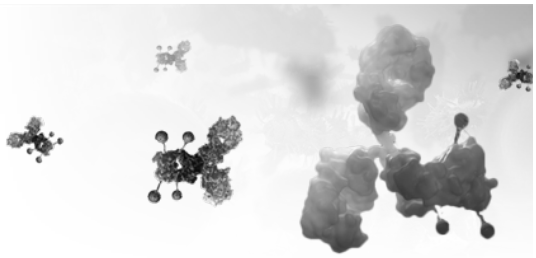

Anti-STK4 (aa 391-485) polyclonal antibody (DPAB-DC2984)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 its possible that this protein induces the chromatin condensation observed in this process.
Immunogen	STK4 (NP_006273, 391 a.a. ~ 485 a.a) partial recombinant protein with GST tag. The sequence is AKPSFLEYFEQKEKENQINSFGKSVPGPLKNSSDWKIPQDGDYEFLKSWTVEDLQKRLLA LDPMMEQEIEEIRQKYQSKRQPILDAIEAKKRRQQ
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	STK4 serine/threonine kinase 4 [Homo sapiens (human)]
Official Symbol	STK4
Synonyms	STK4; serine/threonine kinase 4; KRS2; MST1; YSK3; TIIAC; serine/threonine-protein kinase 4; MST-1; STE20-like kinase MST1; mammalian sterile 20-like 1; kinase responsive to stress 2; mammalian STE20-like protein kinase 1; serine/threonine-protein kinase Krs-2; dJ211D12.2 (serine/threonine kinase 4 (MST1, KRS2));
Entrez Gene ID	6789
Protein Refseq	NP_006273
UniProt ID	Q13043
Chromosome Location	20q11.2-q13.2
Pathway	FoxO signaling pathway; Non-small cell lung cancer; Ras signaling pathway; Signaling by Hippo
Function	ATP binding; identical protein binding; magnesium ion binding; protein binding

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