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Rabbit Anti-phospho-STK25 (Thr174) antibody

SL10683R

Product Name:	phospho-STK25 (Thr174)
Chinese Name:	丝氨酸/苏氨酸激酶25抗体
Alias:	STK25 (phospho T174); p-STK25 (phospho T174); Serine/threonine kinase 25; Serine/threonine kinase 25 (STE20 homolog, yeast); Serine/threonine kinase 25 (STE20 homolog, yeast), isoform CRA_a; Serine/threonine kinase 25 (yeast); Serine/threonine protein kinase 25; Serine/threonine-protein kinase 25; SOK-1; SOK1; Ste20 like kinase; Ste20 yeast homolog; Ste20-like; STE20-like kinase; Ste20/oxidant stress response kinase 1; Sterile 20 (oxidant stress response kinase 1); Sterile 20/oxidant stress-response kinase 1; STK25; STK25_HUMAN; Yeast Sps1/Ste20 related kinase 1; YSK1; C86992.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human STK25 around the phosphorylation site of Thr174:RN(p-T)FV
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Oxidant stress-activated serine/threonine kinase that may play a role in the response to environmental stress. Targets to the Golgi apparatus where it appears to regulate protein transport events, cell adhesion, and polarity complexes important for cell migration. Several mammalian kinases have been identified which exhibit sequence similarity to the Saccharomyces cerevisiae serine/threonine kinase STE20. STE20 is involved in relaying signals from G-protein coupled receptors, and it lies upstream of a MAP kinase kinase kinase. Mammalian STE20-like kinases include YSK1, KHS, GLK, NIK, HPK1, Krs-1, Krs-2 and GC kinase. YSK1 (yeast SPS/STE20-related kinase 1) is expressed in a wide variety of cell types and tissues and has been shown to have kinase activity. Unlike many of the other STE20-like kinases, however, overexpression of YSK1 does not lead to activation of the SAPK/JNK pathway. **Function:** Oxidant stress-activated serine/threonine kinase that may play a role in the response to environmental stress. Targets to the Golgi apparatus where it appears to regulate protein transport events, cell adhesion, and polarity complexes important for cell migration. **Subunit:** Homodimer. **Subcellular Location:** Cytoplasm. Golgi apparatus. Localizes to the Golgi apparatus. **Tissue Specificity:** Ubiquitously expressed. Highest levels are found in testis, large intestine, brain and stomach followed by heart and lung. **Post-translational modifications:** Phosphorylated upon DNA damage, probably by ATM or ATR. **Similarity:** Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain. **SWISS:** O00506 **Gene ID:** 10494 **Database links:** Entrez Gene: 10494 Human

	Entrez Gene: 51765 Human Entrez Gene: 8428 Human Omim: 300547 Human Omim: 602255 Human Omim: 604984 Human SwissProt: O00506 Human SwissProt: Q9P289 Human SwissProt: Q9Y6E0 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.