10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-STK25 Antibody (aa1-426)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18541

Product Information

Application	IHC-P, E
Primary Accession	O00506
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	48112
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	10494
Alias Symbol	STK25
Other Names	STK25, SOK-1, Ste20, yeast homolog, Ste20-like kinase, YSK1, Serine/threonine kinase 25, SOK1
Target/Specificity	Human STK25
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-STK25 Antibody (aa1-426) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STK25 (HGNC:11404)
Synonyms	SOK1, YSK1
Function	Oxidant stress-activated serine/threonine kinase that plays a role in metabolic homeostasis, neuronal polarization, cell migration, Golgi organization, apoptosis or innate immunity. Targets to the Golgi apparatus where it appears to regulate protein transport events, cell adhesion, and polarity complexes important for cell migration. Part of the striatin-interacting phosphatase and kinase (STRIPAK) complexes. STRIPAK complexes have critical roles in protein (de)phosphorylation and are regulators of multiple signaling pathways including Hippo, MAPK, nuclear receptor and cytoskeleton remodeling. Different types of STRIPAK complexes are involved in a variety of biological processes such as cell growth, differentiation, apoptosis, metabolism and immune regulation (PubMed:18782753). Functions as an

	inhibitor of the PKA pathway by affecting phosphorylation of the PRKAR1A regulatory subunit, which in turn suppresses the kinase activity of the catalytic subunit (PubMed:35977512). Positively regulates the TLR signaling by directly phosphorylating the transcription factor IRF5 (PubMed:40639948).
Cellular Location	Cytoplasm. Golgi apparatus. Note=Localizes to the Golgi apparatus
Tissue Location	Ubiquitously expressed. Highest levels are found in testis, large intestine, brain and stomach followed by heart and lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.