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Product datasheet for CF500496

STK39 Mouse Monoclonal Antibody [Clone ID: OTI4H3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4H3
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:50, IF 1:50, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human STK39 (NP_037365) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.3 kDa
Gene Name:	serine/threonine kinase 39
Database Link:	NP_037365 Entrez Gene 53416 MouseEntrez Gene 54348 RatEntrez Gene 27347 Human Q9UEW8

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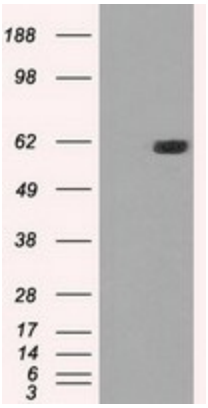
Background: This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress. [provided by RefSeq]

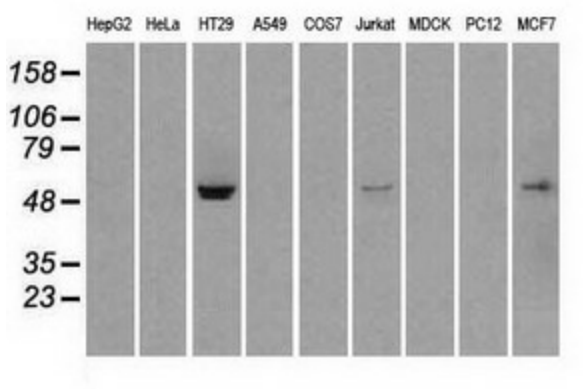
Synonyms: DCHT; PASK; SPAK

Protein Families: Druggable Genome, Protein Kinase

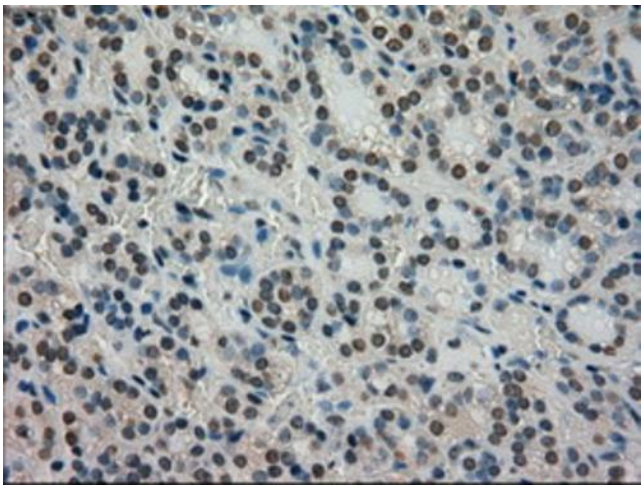
Product images:



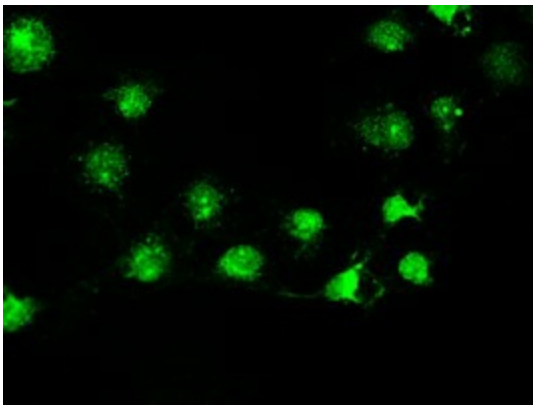
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY STK39 ([RC223981], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-STK39. Positive lysates [LY402227] (100ug) and [LC402227] (20ug) can be purchased separately from OriGene.



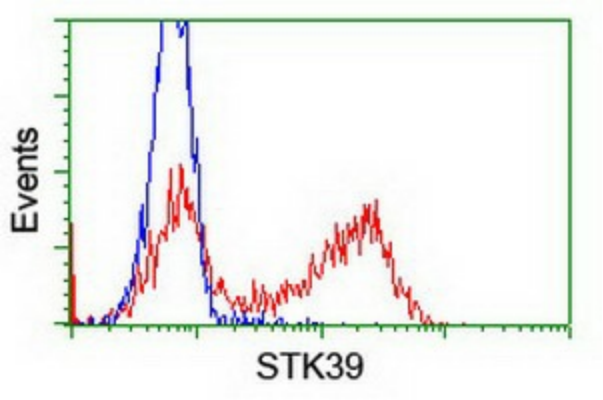
Western blot analysis of extracts (35ug) from 9 different cell lines by usin g anti-STK39 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-STK39 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of COS7 cells using anti-STK39 mouse monoclonal antibody ([TA500496]).



HEK293T cells transfected with either [RC223981] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-STK39 antibody ([TA500496]), and then analyzed by flow cytometry.