

Anti-STK17B Antibody

Catalog # AP59775

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O94768
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42344

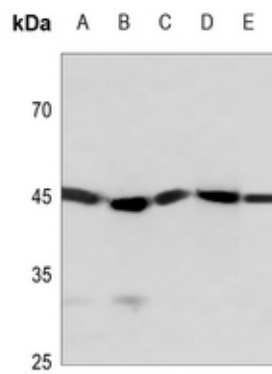
Additional Information

Gene ID	9262
Other Names	DRAK2; Serine/threonine-protein kinase 17B; DAP kinase-related apoptosis-inducing protein kinase 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human STK17B. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

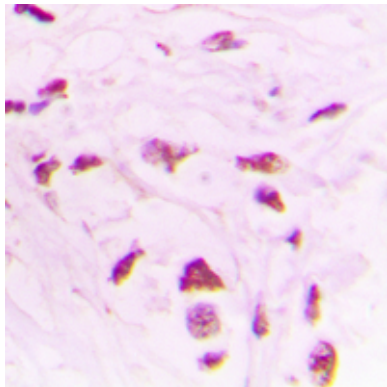
Protein Information

Name	STK17B
Synonyms	DRAK2
Function	Phosphorylates myosin light chains (By similarity). Acts as a positive regulator of apoptosis.
Cellular Location	Nucleus. Cell membrane. Endoplasmic reticulum-Golgi intermediate compartment. Note=Colocalizes with STK17B at the plasma membrane.
Tissue Location	Highly expressed in placenta, lung, pancreas. Lower levels in heart, brain, liver, skeletal muscle and kidney

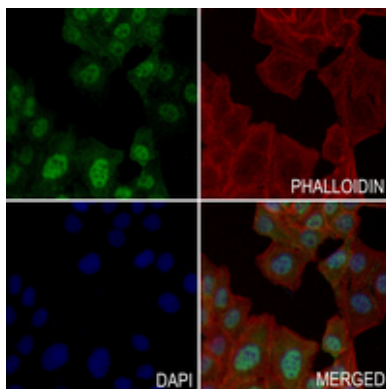
Images



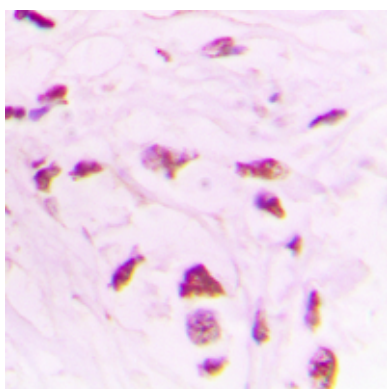
Western blot analysis of STK17B expression in MCF7 (A), K562 (B), HEK293T (C), mouse brain (D), rat brain (E) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 45 kD)



Immunohistochemical analysis of STK17B staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of STK17B staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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