

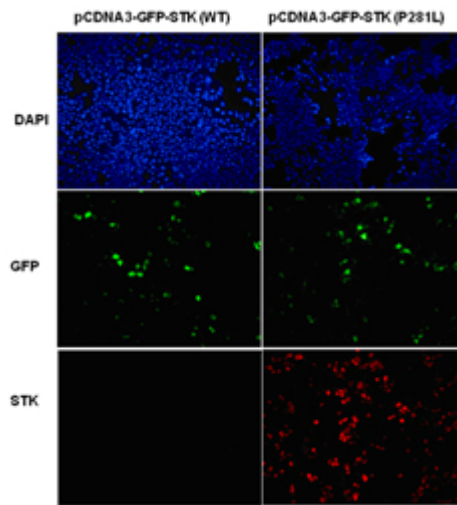
STK11 MAB**STK11 Antibody****Cat. #:** 26158**Size:** 100 µL**Gene Symbol:** STK11, LKB1, PJS, hLKB1**Description:** Anti-STK11 Mouse Monoclonal Antibody**Background:** Serine/threonine kinase 11 (STK11) also known as liver kinase B1 (LKB1) or renal carcinoma antigen NY-REN-19 is a kinase that controls the activity of AMP-activated protein kinase (AMPK) family members, thereby playing a role in various processes such as cell metabolism, cell polarity, apoptosis and DNA damage response, and functions as a tumour suppressor. Recent studies have uncovered a large number of somatic mutations of the STK11 gene that are present in lung, cervical, breast, intestinal, testicular, pancreatic and skin cancer.**Immunogen:** A synthetic peptide from the internal region of STK, which includes the mutation of P281L, human origin.**Applications:** ELISA, WB, IHC**Recommended Dilutions:**

ELISA: 1:1000–1:5000

WB: 1:100–1:1000

IHC: 1:50–1:200

Concentration: 0.5 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:** IgG**Purity:** Purified from ascites**Preservative:** No**Constituents:** PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol**Species Reactivity:** Recognizes P281L mutated, but not wild type STK11 of vertebrates.**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence:

Immunofluorescence of cells expressing STK11 proteins with Anti-STK11 (P281L) antibody. HEK293T cells were transfected with pCDNA3-GFP-STK11 (WT) plasmid (left column) or pCDNA3-GFP-STK11 (P281L) plasmid (right column), then fixed and stained with Anti-STK11 (P281L) monoclonal antibody (Cat. #26158).