



# Anti-STK11 (aa 321-433) polyclonal antibody (DPAB-DC2987)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.
<b>Immunogen</b>	STK11 (AAH07981, 321 a.a. ~ 433 a.a) partial recombinant protein with GST tag. The sequence is PIPPSPDTKDRWSMTVVPYLEDLHGAEDEDLFDIEDDIYTQDFTVPGQVPPEEEASHN GQRRGLPKAVCMNGTEAAQLSTKSRAEGRAPNPARKACSASSKIRRLSACKQQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">STK11 serine/threonine kinase 11 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	STK11
<b>Synonyms</b>	STK11; serine/threonine kinase 11; PJS; LKB1; hLKB1; serine/threonine-protein kinase STK11; liver kinase B1; polarization-related protein LKB1; renal carcinoma antigen NY-REN-19; serine/threonine-protein kinase 11; serine/threonine-protein kinase LKB1;
<b>Entrez Gene ID</b>	<a href="#">6794</a>
<b>Protein Refseq</b>	<a href="#">NP_000446</a>
<b>UniProt ID</b>	<a href="#">Q15831</a>
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	AMPK inhibits chREBP transcriptional activation activity; AMPK signaling pathway; Adipocytokine signaling pathway; Energy dependent regulation of mTOR by LKB1-AMPK
<b>Function</b>	ATP binding; LRR domain binding; magnesium ion binding; p53 binding