

Product datasheet for **AP05211PU-N**

LKB1 (STK11) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: 5 - 10 µg/ml. Positive Control: Lung, Uterus.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from the human LKB1/STK11 serine/threonine kinase protein.
Specificity:	This antibody reacts to LKB1/STK11.
Formulation:	Phosphate buffered saline, pH 7.4 State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	serine/threonine kinase 11
Database Link:	Entrez Gene 6794 Human Q15831



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Background:

Germline mutations of the LKB1 (STK11) tumor suppressor gene can lead to Peutz-Jeghers syndrome (PJS) and a marked predisposition to cancer. LKB1 encodes a serine/threonine kinase that is inactivated in PJS. The tumor suppressor protein PTEN is a LKB1-interacting protein. Several point mutations in LKB1 are associated with PJS and may disrupt the interaction with PTEN suggesting that the loss of this interaction might contribute to PJS. PTEN and LKB1 are predominantly cytoplasmic and nuclear, respectively, the interaction of the two leads to a cytoplasmic relocalization of LKB1. PTEN is a substrate of the kinase LKB1 in vitro.

Synonyms:

Serine/threonine-protein kinase 11, LKB1, PJS, NY-REN-19