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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

LKB1/STK11 Serine/Threonine Kinase. Rabbit Polyclonal Antibody

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.

ORDERING INFORMATION

CATALOG NUMBER

X1713P

SIZE

100 μ g

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Purified IgG in phosphate buffered saline, pH 7.4

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot, ELISA

SPECIES REACTIVITY

Human

ACCESSION NUMBER

Q15831, Human

IMMUNOGEN

Synthetic peptide derived from the human LKB1/STK11 serine/threonine kinase protein.

POSITIVE CONTROL/TISSUE EXPRESSION

Lung, Uterus

COMMENTS

Antibody can be used for Western blotting (5-10 μ g/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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