

Datasheet for ABIN1537274
anti-LKB1 antibody (C-Term)



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1 Image 1 Publication

Overview

Quantity:	400 µL
Target:	LKB1 (STK11)
Binding Specificity:	AA 387-417, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LKB1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This STK11 (LKB1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 387-417 amino acids from the C-terminal region of human STK11 (LKB1).
Clone:	RB3549-3550
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	LKB1 (STK11)
Alternative Name:	STK11 (LKB1) (STK11 Products)

Target Details

Background:	STK11, is a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in STK11 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.
Molecular Weight:	48636
Gene ID:	6794
NCBI Accession:	NP_000446
UniProt:	Q15831
Pathways:	AMPK Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

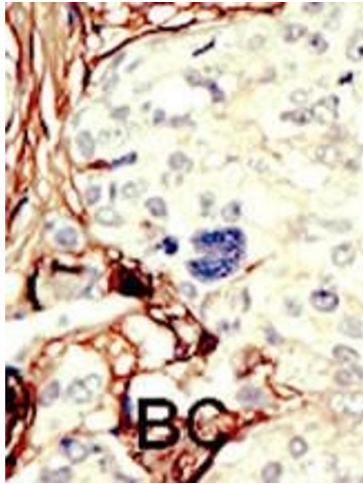
Application Notes:	IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 deg C for up to 6 months. For long term storage store at -20 deg C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Dahmani, Just, Delay, Canal, Finzi, Prip-Buus, Lambert, Sujobert, Buchet-Poyau, Miller, Cavard, Marmier, Terris, Billaud, Perret: "A novel LKB1 isoform enhances AMPK metabolic activity and displays oncogenic properties." in: Oncogene , Vol. 34, Issue 18, pp. 2337-46, (2015) (PubMed).
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.