

Datasheet for ABIN391285
anti-BRSK2 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	BRSK2
Binding Specificity:	AA 706-736, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRSK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This STK29 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 706-736 amino acids from the C-terminal region of human STK29.
Clone:	RB5548
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	BRSK2
Alternative Name:	STK29 (BRSK2 Products)

Target Details

Background: BRSK2 expressed in insect cells specifically phosphorylates WEE1A, CDC25C, and CDC25B in an in vitro assay, but a kinase-dead mutant does not. Overexpression of BRSK2 in HeLa cells results in increased phosphorylation of CDC25C. DNA damage induced by ultraviolet (UV) irradiation or methyl methane sulfonate, but not by ionizing radiation, enhances endogenous BRSK2 kinase activity in a caffeine-sensitive manner and causes translocation of BRSK2 from the cytoplasm to the nucleus. Overexpression of BRSK2 induces G2/M arrest in HeLa cells. Small interfering RNA against BRSK2 partly abrogates UV-induced G2/M arrest. BRSK2 may act as a checkpoint kinase upon DNA damage induced by UV irradiation or methyl methane sulfonate.

Molecular Weight: 81633

Gene ID: 9024

NCBI Accession: [NP_001243556](#), [NP_001243558](#), [NP_001243559](#), [NP_003948](#)

UniProt: [Q8IWQ3](#)

Application Details

Application Notes: WB: 1:1000. 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.

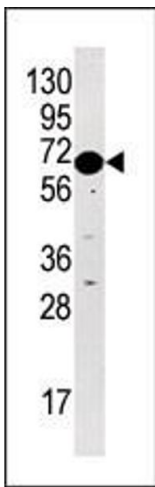
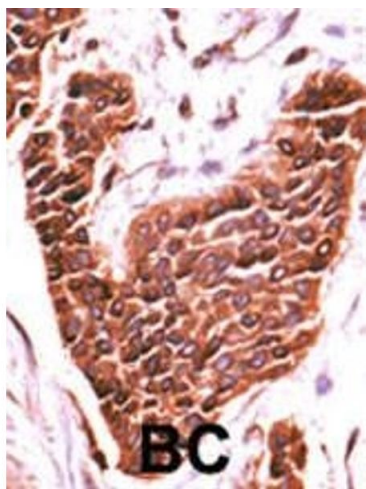
Preservative: Sodium azide

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 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



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.

Western Blotting

Image 2. Western blot analysis of anti-STK29 Pab (ABIN391285 and ABIN2841327) in HL60 cell line lysate (35 µg/lane). STK29(arrow) was detected using the purified Pab.