

Anti-BRSK1 antibody

Cat. No.	ml124280
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-BRSK1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human BRSK1
Reactivity	Human, Mouse, Rat
Content	1.7 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	BRSK1
Full name	BR serine/threonine kinase 1
Synonyms	hSAD1
Swissprot	Q8TDC3

Target Background

The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine (Ser/Thr) protein kinases. BRSK1 (BR serine/threonine-protein kinase 1), also known as SAD1, is a 794 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one UBA domain and one protein kinase domain. Expressed in a variety of tissues with highest expression in testis and brain, BRSK1 uses magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins, including Wee 1 and Cdc25B. Via its kinase activity toward proteins that are involved in microtubule assembly, BRSK1 plays an essential role in neuronal polarization and may be involved in regulating cell cycle arrest in response to DNA damage. Two isoforms of BRSK1 exist due to alternative splicing events.

订购热线: 4008-898-798

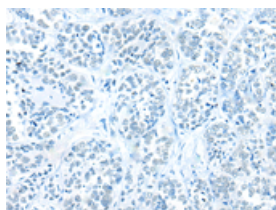
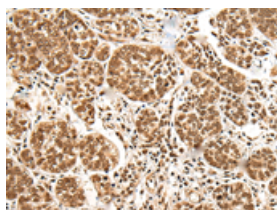
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 50-300

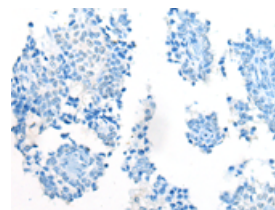
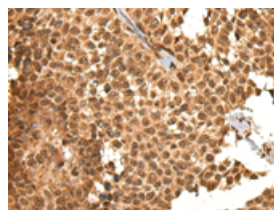


The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml124280(BRSK1 Antibody) at dilution 1/95, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human ovarian cancer

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml124280(BRSK1 Antibody) at dilution 1/95, on the right is treated with fusion protein. (Original magnification: $\times 200$)

ELISA

Recommended dilution: 5000-10000

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