BRSK1 Polyclonal Antibody

Catalog Number:E-AB-52484

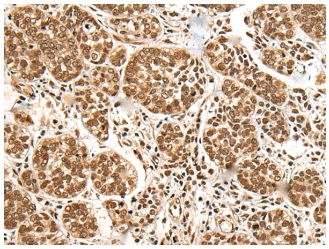
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

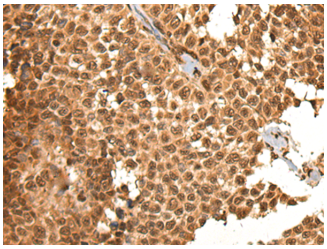
Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein of human BRSK1
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Applications	Recommended Dilution
IHC	1:50-1:300
ELISA	1:5000-1:10000

Data



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using BRSK1 Polyclonal Antibody at dilution of 1:95(×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using BRSK1 Polyclonal Antibody at dilution of 1:95(×200)

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

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 magensium 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.

For Research Use Only

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