

BRSK1 Rabbit pAb

db782

Package : 20µL 50µL 100µL

Product Name : BRSK1 Rabbit pAb**Cat.No.:** db782**Synonyms** : hSAD1**Application** : WB, ICC/IF**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

Serine/threonine-protein kinase that plays a key role in polarization of neurons and centrosome duplication. Phosphorylates CDC25B, CDC25C, MAPT/TAU, RIMS1, TUBG1, TUBG2 and WEE1. Following phosphorylation and activation by STK11/LKB1, acts as a key regulator of polarization of cortical neurons, probably by mediating phosphorylation of microtubule-associated proteins such as MAPT/TAU at 'Thr-529' and 'Ser-579'. Also regulates neuron polarization by mediating phosphorylation of WEE1 at 'Ser-642' in post-mitotic neurons, leading to down-regulate WEE1 activity in polarized neurons. In neurons, localizes to synaptic vesicles and plays a role in neurotransmitter release, possibly by phosphorylating RIMS1.

Immunogen

Recombinant protein of human BRSK1

Gene ID

84446

Swiss Prot

Q8TDC3

Synonyms

hSAD1

Reactivity

Human, Mouse, Rat

Application

WB, ICC/IF

Recommended dilution

WB: 1:1000

ICC/IF: 1:20

Calculated MW

85 kDa

Observed MW

85 kDa

Host species

Rabbit

Clonality

Polyclonal

Isotype

IgG

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.