

Product datasheet for TA362111

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BRSK2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human BRSK2

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 67 kDa

Gene Name: BR serine/threonine kinase 2

Database Link: NP 001243556.1

Entrez Gene 9024 Human

Q8IWQ3-6



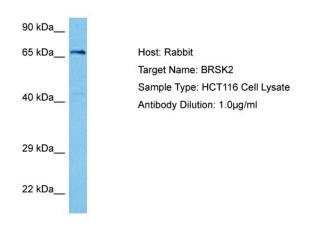
Background:

Serine/threonine-protein kinase that plays a key role in polarization of neurons and axonogenesis, cell cycle progress and insulin secretion. Phosphorylates CDK16, CDC25C, MAPT/TAU, PAK1 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 postmitotic neurons, leading to down-regulate WEE1 activity in polarized neurons. Plays a role in the regulation of the mitotic cell cycle progress and the onset of mitosis. Plays a role in the regulation of insulin secretion in response to elevated glucose levels, probably via phosphorylation of CDK16 and PAK1. While BRSK2 phosphorylated at Thr-174 can inhibit insulin secretion, BRSK2 phosphorylated at Thr-260 can promote insulin secretion. Regulates reorganization of the actin cytoskeleton. May play a role in the apoptotic response triggered by endoplasmatic reticulum (ER) stress.

Synonyms: C11orf7; FLJ41362; PEN11B; SAD1; STK29

Protein Families: Druggable Genome, Protein Kinase

Product images:



Host: Rabbit Target Name: BRSK2

Sample Tissue: Human HCT116 Whole Cell

lysates

Antibody Dilution: 1ug/ml