

Product datasheet for TA343178

PKN2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Mouse

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-Pkn2 antibody is: synthetic peptide directed towards the C-terminal

region of Mouse Pkn2. Synthetic peptide located within the following region:

LRRNPERRLGAGEKDAEDVKKHPFFRLTDWSALMDKKVKPPFVPTIRGRE

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.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 111 kDa

Gene Name: protein kinase N2

Database Link: NP 006247

Entrez Gene 109333 Mouse

Q16513



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Background:

Pkn2 is a PKC-related serine/threonine-protein kinase and Rho/Rac effector protein that participates in specific signal transduction responses in the cell. It plays a role in the regulation of cell cycle progression, actin cytoskeleton assembly, cell migration, cell adhesion, tumor cell invasion and transcription activation signaling processes. Pkn2 phosphorylates CTTN in hyaluronan-induced astrocytes and hence decreases CTTN ability to associate with filamentous actin, phosphorylates HDAC5, therefore lead to impair HDAC5 import. It is a direct RhoA target required for the regulation of the maturation of primordial junctions into apical junction formation in bronchial epithelial cells and is required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner. It stimulates FYN kinase activity that is required for establishment of skin cell-cell adhesion during keratinocytes differentiation, regulates epithelial bladder cells speed and direction of movement during cell migration and tumor cell invasion, inhibits Akt pro-survival-induced kinase activity. It mediates Rho protein-induced transcriptional activation via the c-fos serum response factor (SRF).

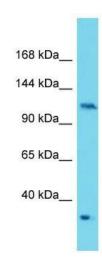
Synonyms: Pak-2; PAK2; PRK2; PRKCL2; PRO2042; STK7

Note: Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 93%; Rat: 93%; Horse: 93%;

Mouse: 93%; Bovine: 93%; Rabbit: 93%; Zebrafish: 93%; Guinea pig: 93%; Yeast

Protein Families: Druggable Genome, Protein Kinase

Product images:



Host: Rabbit; Target Name: Pkn2; Sample Tissue: Mouse Thymus lysates; Antibody Dilution: 1.0 ug/ml