Human/Mouse/Rat PKN2 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 509105

Catalog Number: FAB5686T

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat PKN2 in Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 509105
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human PKN2 Asp18-Asn207 Accession # Q16513
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Serine/Threonine Protein Kinase N2 (PKN2), also known as PRK2, is a cytoplasmic kinase that contains three HR1 repeats (aa 44-295), one C2 domain (aa 330-463), and one protein kinase domain (aa 657-916). PKN2 is a downstream effector of RhoA and promotes the activation of several kinases involved in regulation of the actin cytoskeleton, cell cycle, and apoptosis. PKN2 cleavage during apoptosis generates a C-terminal fragment that inhibits PDK1 and Akt. PKN2 is also important in the intracellular replication of hepatitis C virus and *Yersinia pestis*.

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