

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human and rat PAK7 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 444703
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PAK7 Met1-Glu134 Accession # Q9P286
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
Immunohistochemistry	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

PAK7 (p21-activated kinase 7), also called PAK5, is a neuronal member of the PAK-II subfamily within the STE Ser/Thr protein kinase family. In the portion used as immunogen, human PAK7 shares 95% aa sequence identity with rat PAK7. This portion contains a CDC42/Rac1 interactive binding (CRIB) motif and potential phosphorylation sites at Ser104 and Thr107. In addition, PAK7 also interacts with RhoD and RhoH, directing its subcellular localization. PAK7 can be located in the mitochondrion, where it protects cells from apoptosis, or in the nucleus.

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