

Anti-PAK7 antibody

Cat. No.	ml221098
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-PAK7 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human PAK7
Reactivity	Human, Mouse, Rat
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PAK7
Full name	p21 protein (Cdc42/Rac)-activated kinase 7

Synonyms	PAK5
Swissprot	Q9P286

Target Background

The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described.

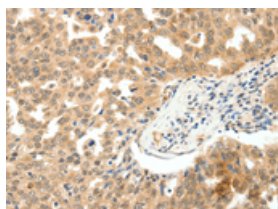
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm, Nucleus

Positive control: Human ovarian cancer

Recommended dilution: 15-50

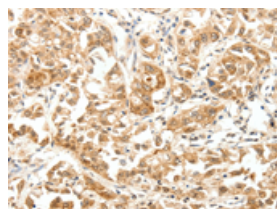


The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml221098(PAK7 Antibody) at dilution 1/10, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm, Nucleus

Positive control: Human lung cancer

Recommended dilution: 15-50



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml221098(PAK7 Antibody) at dilution 1/10, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 81 kDa

Positive control: Human fetal kidney tissue

Recommended dilution: 200-1000

Gel: 10%SDS-PAGE

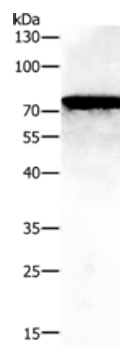
Lysate: 40 μ g

Lane: Human fetal kidney tissue

Primary antibody: ml221098(PAK7 Antibody) at dilution 1/100

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 minutes



ELISA

Recommended dilution: 1000-5000

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