

Anti-PBK Antibody [E11-C8]

EM1710-21



Product Type:	Mouse monoclonal IgG2b, primary antibodies
Species reactivity:	Human
Applications:	WB, IF-cell, IHC-P, FC
Molecular Wt:	36 kDa
Clone number:	E11-C8

Description: Protein kinases comprise a large group of encoded factors that regulate cellular processes by catalyzing the transfer of a phosphate group to a hydroxyl acceptor in serine, threonine or tyrosine residues. Kinases are capable of influencing the oncogenic potential of cell systems at the level of oncoprotein or tumor suppressor protein phosphorylation states. Human PDZ-binding kinase, known as PBK, is a 322 amino acid, T/SXV motif-containing serine/threonine kinase that is abundant in placenta and absent from adult brain tissue. A PDZ domain in the tumor suppressor protein Dlg can coordinate with the T/SXV motif of PBK. The cell cycle checkpoint kinase Cdc2/cyclin B is an upstream effector of PBK that can phosphorylate and activate PBK. Active PBK may associate with PDZ-containing proteins and influence cell cycle control or cellular proliferation.

Immunogen: Recombinant protein

Positive control: Human PBK recombinant protein, A431, HeLa, human ovarian cancer tissue, human colon cancer tissue.

Subcellular location: Nucleus.

Database links: SwissProt: Q96KB5 Human

Recommended Dilutions:

WB	1:500
IF-cell	1:100-1:500
IHC-P	1:100-1:500
FC	1:100-1:200

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4°C; -20°C for long term storage.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Images

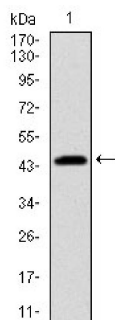


Fig1: Western blot analysis of PBK on human PBK recombinant protein using anti-PBK antibody at 1/1,000 dilution.

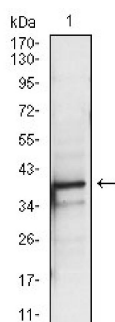


Fig2: Western blot analysis of PBK on A431 cell lysate using anti-PBK antibody at 1/1,000 dilution.

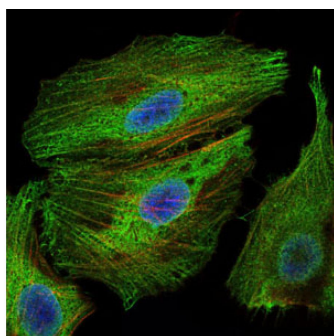


Fig3: ICC staining PBK (green) and actin filaments (red) in Hela cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

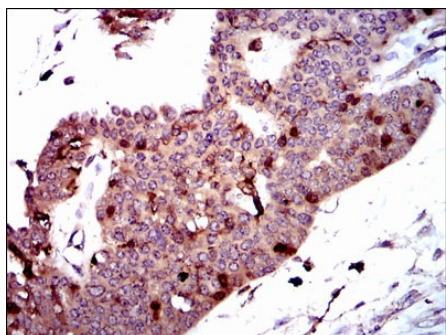


Fig4: Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue using anti-PBK antibody. Counter stained with hematoxylin.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

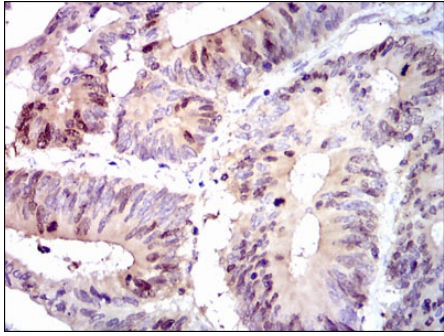


Fig5: Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-PBK antibody. Counter stained with hematoxylin.

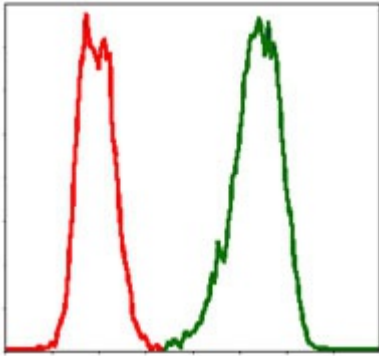


Fig6: Flow cytometric analysis of HeLa cells with PBK antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Hangzhou Huan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn