Data Sheet (Cat.No.TMAC-03317)

Anti-PKCE Antibody (5H978)

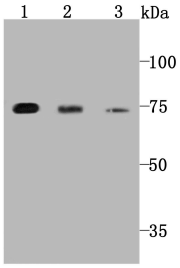
Product Details

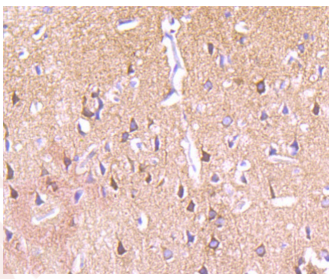
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 84 kDa.
Clone:	5H978
Purification:	ProA affinity purified

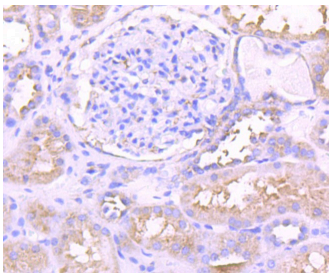
Applications

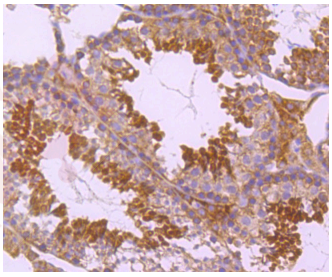
Verified Activity:

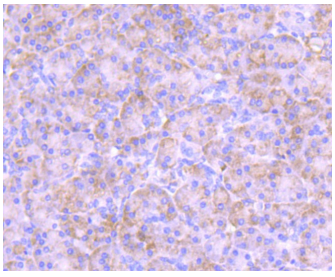
1. Western blot analysis of PKC epsilon on different cell lysate using anti-PKC epsilon antibody at 1/1,000 dilution. Positive control: Lane1: Jurkat, Lane2: MCF-7, Lane3: HT-29.
2. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PKC epsilon antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PKC epsilon antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PKC epsilon antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-PKC epsilon antibody. Counter stained with hematoxylin.
6. ICC staining PKC epsilon in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining PKC epsilon in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. Flow cytometric analysis of SH-SY5Y cells with PKC epsilon antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

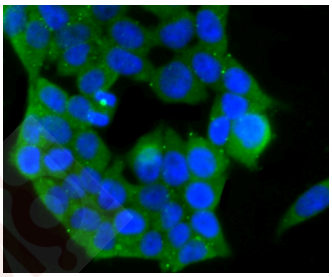


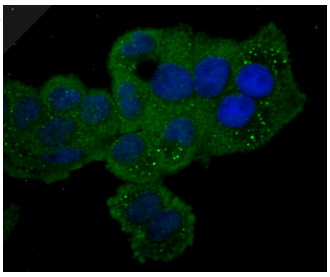


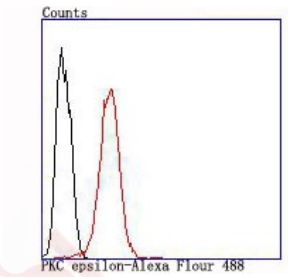












Application: FCM,ICC,IHC,WB

Recommended: WB: 1:500-1000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q02156

Synonyms: Protein Kinase C ε Type;PRKCE;PKCE;nPKC-Epsilon;Protein Kinase C Epsilon Type;nPKC-ε

Research Background

This is calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

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