PKC θ (phospho-T538) polyclonal antibody

Catalog: AP0292 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Members of the protein kinase C (PKC) family of serine/threonine kinases play a key role in regulating the differentiation and growth of diverse cell types. PKC theta is a member of the PKC family, and its predominant expression in hematopoietic cells suggests that it may play a role in signal transduction and growth regulatory pathways unique to these cells. PKC theta is a Ca(2+)-independent PKC isoform that is selectively expressed in T lymphocytes (and muscle), and it is thought to play an important role in T cell receptor-induced activation. Among several PKC isoenzymes expressed in T cells, PKC theta is unique in being rapidly recruited to the site of TCR clustering. It has been shown that PKC theta is essential for TCR-mediated T-cell activation, but it is dispensable during TCR-dependent thymocyte development.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 80 kDa

Swiss-Prot:

Q04759

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000

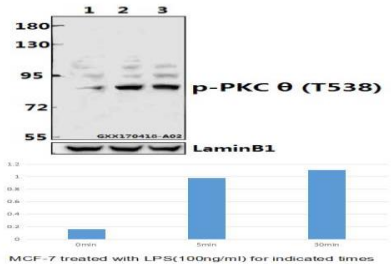
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PKC θ (phospho-T538) polyclonal antibody detects endogenous levels of PKC θ protein only when phosphorylated at Thr538.

DATA:



Western blot (WB) analysis of PKC θ (phospho-T538) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate

Lane2:MCF-7 treated with LPS(100ng/ml) for 5 minutes whole cell lysate

Lane3:MCF-7 treated with LPS(100ng/ml) for 30 minutes whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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