

Chk1 (Phospho-S296) polyclonal antibody

Catalog: BS94078

Host: Rabbit

Reactivity: Human

BackGround:

Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by proteolysis of cyclins. Chk1 and Chk2 are involved in these processes as regulators of Cdks. Chk1 and Chk2 both function as essential components in the G2 DNA damage checkpoint by phosphorylating Cdc25C in response to DNA damage. Phosphorylation inhibits Cdc25C activity, thereby blocking mitosis. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. It has also been shown that Chk1 can phosphorylate Wee1 in vitro, providing evidence that the hyperphosphorylated form of Wee1, seen in cells delayed by Chk1 overexpression, is due to phosphorylation by Chk1.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

54 kDa

Swiss-Prot:

O14757(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

IHC:1:50-1:200

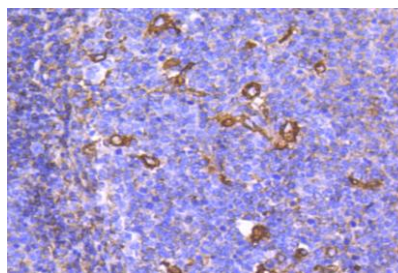
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

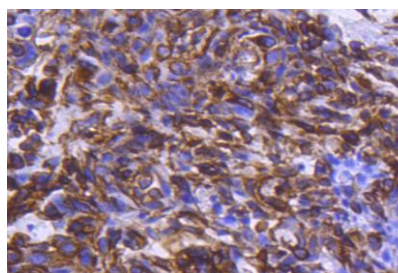
Specificity:

Chk1 (Phospho-S296) polyclonal antibody detects endogenous levels of Chk1 protein only when phosphorylated at S296.

DATA:



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-phospho-Chk1 (S296) antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-phospho-Chk1 (S296) antibody. Counter stained with hematoxylin.

Note:

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

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