

Phospho HSP90-beta (Ser254) Antibody

rev 12/19

CATALOG NO.: A1974-100 (100 µl)

BACKGROUND DESCRIPTION: This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes.

ALTERNATE NAMES: HSP90B; HSPC2; HSPCB; Heat shock protein HSP 90-beta; HSP 90; Heat shock 84 kDa; HSP 84; HSP84.

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide targeting a sequence within the center region of human HSP90 beta

MOLECULAR WEIGHT: 87 kDa

PURIFICATION: Affinity purified

FORM: Liquid

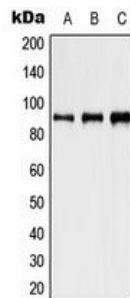
FORMULATION: In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

SPECIES REACTIVITY: Human, Mouse, Rat, Monkey

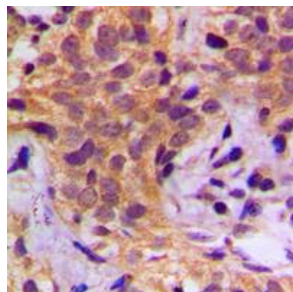
STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles.

APPLICATIONS AND USAGE: WB 1:500 - 1:1000, IHC 1:100 - 1:200, IF 1:100 - 1:500

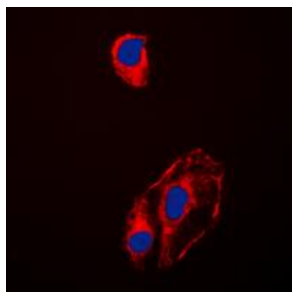
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of phospho HSP90 beta (Ser254) expression in HeLa heat shocked-treated (A); NIH3T3 heat shocked-treated (B); PC12 heat shocked-treated (C) whole cell lysates.



Immunohistochemical analysis of phospho HSP90 beta (Ser254) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0), then incubated with the antibody at RT and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.



Immunofluorescent analysis of phospho HSP90 beta (Ser254) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at RT. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at RT in the dark. DAPI was used to stain the cell nuclei (blue).

RELATED PRODUCTS:

HSP90 Antibody (5858)

Raf1 Antibody (3116)

Phospho-Akt2 (Ser474) Antibody (A1246)

Anti-FGFR3 Antibody (A1630)

FOR RESEARCH USE ONLY! Not to be used on humans.