PRODUCT DATA SHEET

Product: Anti-Heat Shock Protein 90α (HSP90α or HSP86), Polyclonal

Cat. No: **PC-083 (500 µg)**

Background:
Cells respond to heat and chemical stress by inducing synthesis of a group of proteins referred to as heat shock proteins. HSP90 is present in cells at high levels in the cytoplasm and is composed of two separate gene products, HSP90α and HSP90β.

Specificity:
This antibody recognizes a protein of 86 kDa identified as heat shock protein 90α.

For positive control, use MAD109 cells or breast carcinoma.

Epitope: aa 2-12

Cellular Localization:
Cytoplasmic and nuclear

Species Reactivity:
Human, mouse, and rat, others not tested.

Ig Isotype: Rabbit polyclonal

Immunogen:
A synthetic 11-mer peptide corresponding to aa 2-12 (PEETQTQDQPM-Cys) from the N-terminus end of the mouse heat shock protein 90α (HSP90α).

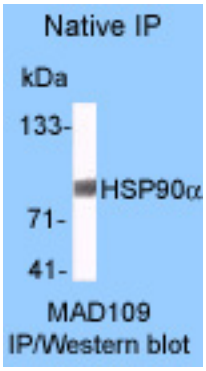
Format:
500 µl of 1 mg/ml total IgG purified from rabbit anti-serum by Protein A chromatography. Prepared in 10 mM PBS, pH 7.4, with 0.2% BSA and 15 mM sodium azide.

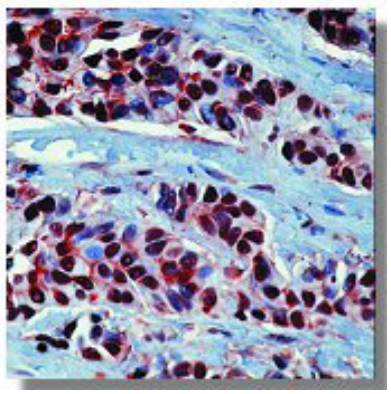
Storage and Stability:
Stable for 24 months when stored at 2-8°C.

Applications and Suggested Dilutions:

- Immunofluorescence
- Western blotting: 5-10 µg/ml for 2 hrs. at RT
- Immunohistochemistry
  Formalin/paraffin: 5-10 µg/ml for 30 min at RT [Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 min.]
- Immunoprecipitation: Native verified. Use 10 µg/mg protein lysate. Use Protein A.

The optimal dilution for a specific application should be determined by the researcher.





Formalin-fixed, paraffin-embedded human breast carcinoma stained with PC-083.

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.

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