

32-5933: Mouse Anti Human Heat shock protein HSP 90-alpha(Clone:P4F10AT.)

Clonality : Monoclonal

Clone Name : P4F10AT.

Application : ELISA, WB, IHC

Format : Purified

Alternative Name : HSPN, LAP2, HSP86, HSPC1, HSPCA, Hsp89, Hsp90, HSP90A, HSP90N, HSPCAL1, HSPCAL4, FLJ31884, Heat shock protein HSP 90-alpha, Renal carcinoma antigen NY-REN-38, HSP 86, HSP90AA1.

Isotype : Mouse IgG2b heavy chain and ? light chain.

Immunogen Information : Anti-human HSP90A mAb, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human HSP90A amino acids 1-732 purified from E. coli.

Description

HSP90 has been identified in the cytosol, nucleus and endoplasmic reticulum, and is reported to exist in many tissue types. In several tissues, including smooth muscle, HSP90 comprises up to 2% of total cellular protein. HSP90 functions as a dimer, assembled as part of heterocomplex. It possesses ATP-binding site and low ATPase activity. HSP90 is able to associate with actin filaments in certain conditions. Another important property of HSP90 is the binding of unoccupied steroid hormone receptors. HSP90 has been characterized as a molecular chaperone able to keep the target protein in a folding-competent state. It has an enhanced chaperone activity in oligomeric form at high temperatures. HSP90 function is sensitive to bivalent cations concentration.

Product Info

Amount : 20 µg

Purification : HSP90A antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

Content : 1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.

Storage condition : For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

HSP90A antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:500 ~ 1:2,000 and immunohistochemistry analysis is 1:100~200. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:100.