

## Anti-Hsp90 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 11098 (clone H90-10))

**Format:** 100ug Protein G-purified antibody in PBS, pH 7.4.

### BACKGROUND

Hsp90 and the 94kDa glucose-regulated protein, Grp94, are major molecular chaperones of the cytosol and endoplasmic reticulum. In mammalian cells, there are at least two Hsp90 isoforms, Hsp90 $\alpha$  and Hsp90 $\beta$ , which are encoded by separate genes. All known members of the Hsp90 family are highly conserved, especially in the N-terminal and C-terminal regions. In the absence of stress, Hsp90 is an essential component of cellular processes such as hormone signaling and cell cycle control. Several regulatory proteins such as steroid receptors, cell cycle kinases and p53 have been identified as substrates of Hsp90.

### SPECIFICATION SUMMARY

**Antigen:** Recombinant human Hsp90 $\beta$ .

**Gene ID:** 3326

**Accession no.:** P08238

**Host Species:** Mouse

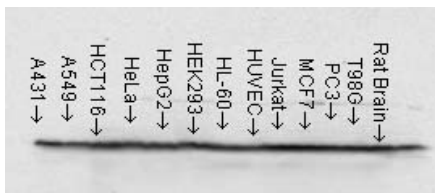
**Antibody Class:** IgG2a

**Species Reactivity:** Human, mouse, rabbit, rat, dog, chicken, fish, shark.

**Specificity:** Detects 90kDa Hsp90 $\beta$  in all reactive species except chicken where it detects both alpha and beta isoforms.

### APPLICATIONS

**Immunoblotting:** use at 1-5ug/ml. A band of ~90kDa is detected.

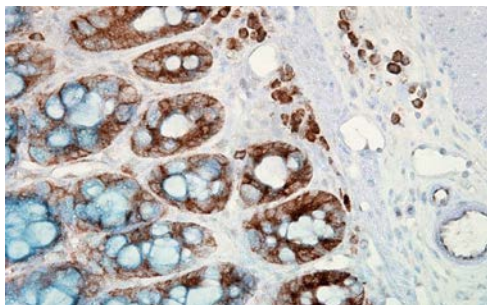


Detection of Hsp90 $\beta$  in tumor cell lines and rat brain with #11098 at 1ug/ml.

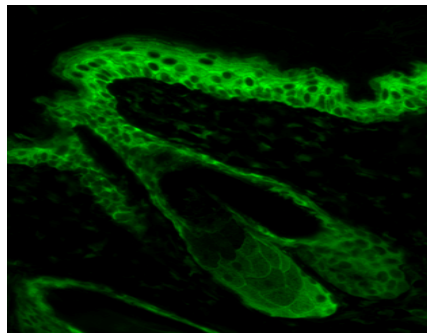


Detection of Hsp90 $\beta$  in HeLa cell lysate with #11098 at 1ug/ml.

**Immunohistochemistry:** use at 0.5-10ug/ml.



Detection of Hsp90 $\beta$  in human colon carcinoma with #11098 at 0.5ug/ml.



Detection of Hsp90 $\beta$  in mouse skin with #11098 at 10ug/ml.

## Anti-Hsp90 Monoclonal Antibody

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

### REFERENCES

Barent RL et al. 1998 Mol Endocrinol 12: 342.

Felts SJ et al. 2000 J Biol Chem 275: 3305.

Arlander SJ et al. 2003 J Biol Chem 278: 52572.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*