HSP90 | Heat shock protein 90

**product information**

**Background**
HSP90 is a ubiquitous chaperone involved in numerous cellular processes. Members of this family of proteins play important roles in allowing a selected group of intracellular signaling molecules reach and maintain functionally active conformations. Alternative names: for hsp90 alpha: HSP 86, renal carcinoma antigen NY-REN-38, for hsp90 beta: hsp84

**Immunogen**
KLH-conjugated synthetic peptide chosen from a highly conserved region of hsp90 found in both the alpha P07900 and beta P08238 form of the protein. The target peptide is perfectly conserved in animals.

**Host**
Rabbit

**Clonality**
Polyclonal

**Purity**
Serum

**Format**
Lyophilized

**Quantity**
100 µl

**Reconstitution**
For reconstitution add 100 µl of sterile water

**Storage**
Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Tested applications**
Western blot (WB)

**Related products**
- AS05 061 | anti-salmonid HSP70
- AS05 061A | anti-salmonid HSP70, suitable for immunoprecipitation
- AS05 062 | anti-salmonid HSC70
- AS05 083A | anti-HSP70/HSC70 global antibody, affinity purified

**Application information**

**Recommended dilution**
1 : 5 000 (WB)

**Expected | apparent MW**
84-86 kDa

**Confirmed reactivity**
Human, Salmon

**Predicted reactivity**
Fishes, Hen, Mammals

**Not reactive in**
No confirmed exceptions from predicted reactivity are currently known.

**Additional information**
in salmonid fish a cross-reactive band at approximately 40 kDa is observed; antibody will also detect a human recombinant HSP90 protein

Antibody is reacting strongly with recombinant HSP90 from HELA cells.

**Selected references**


Chandra et al. (2012). Sustained high temperature increases the vitellogenin response to 17 alpha-ethynylestradiol in mummichog (Fundulus heteroclitus). Aquatic toxicology.

Application example

- Description
- Lane 1 – Green (no mix)
- Lane 2 – Yellow (mix 1)
- Lane 3 – Blue (mix 2)
- Lane 4 – Red (mix 3)
- Lane 5 – Heat shocked (77°C)
- Lane 6 – Reactivated (16°C)
- There will be even background bands in all lanes.