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Product no AS05 063

Anti-HSP90 | Heat shock protein 90

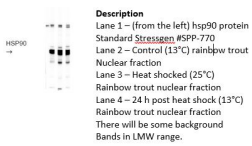
Product information

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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

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	Kelly et al. (2017). Acclimation capacity of the cardiac HSP70 and HSP90 response to thermal stress in lake trout (Salvelinus namaycush), a stenothermal ice-age relict. Comp Biochem Physiol B Biochem Mol Biol. 2017 Dec 10. pii: S1096-4959(17)30191-4. doi: 10.1016/j.cbpb.2017.12.002. Ricketts et al. (2015). The Effects of Acute Waterborne Exposure to Sublethal Concentrations of Molybdenum on the Stress Response in Rainbow Trout, Oncorhynchus mykiss. PLoS One. 2015 Jan 28;10(1):e0115334. doi: 10.1371/journal.pone.0115334. eCollection 2015. Liu et al. (2014). Spermidine Enhances Waterlogging Tolerance via Regulation of Antioxidant Defence, Heat Shock Protein Expression and Plasma Membrane H+-ATPase Activity in Zea mays. J. Agronomy and Crop Science, Article first published online: 1 APR 2014, DOI: 10.1111/jac.12058. 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 – (from the left) hsp90 protein Standard Stressgen #SPP-770
Lane 2 – Control (13°C) rainbow trout Nuclear fraction
Lane 3 – Heat shocked (25°C) Rainbow trout nuclear fraction
Lane 4 – 24 h post heat shock (13°C) Rainbow trout nuclear fraction
There will be some background Bands in LMW range.