

Product no **AS05 063****HSP90 | Heat shock protein 90****Product information**

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| 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

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| 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 (<i>Salvelinus namaycush</i>), a stenothermal ice-age relict. <i>Comp Biochem Physiol B Biochem Mol Biol.</i> 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, <i>Oncorhynchus mykiss</i> . <i>PLoS One.</i> 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 <i>Zea mays</i> . <i>J. Agronomy and Crop Science</i> , 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 (<i>Fundulus heteroclitus</i>). <i>Aquatic toxicology</i> . |

Application example