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Product no AS05 061

Anti-HSP70 | salmonid heat shock protein 70

Product information

Immunogen	KLH-conjugated synthetic peptide chosen from the C-terminal of salmonid hsp70. The target peptide is a sequence specific to salmonid hsp70 UniProt: B5X4Z3.
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.
Additional information	The antibody is very specific for salmonid inducible form - hsp70, It does not cross-react with hsc70, It does not detect hsp70 from other species

Application information

Recommended dilution	1 : 5 000 (WB)
Expected | apparent MW	70 kDa
Confirmed reactivity	Rainbow trout (*Oncorhynchus mykiss*), Brook trout gills (*Salvelinus fontinalis*)
Predicted reactivity	*Salmo salar* (Atlantic salmon)
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Biela et al. (2020). Evidence of prevalent heat stress in Yukon River Chinook salmon. Canadian J. of Fisheriers and Aquatic Science. 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. Templeman et al. (2014). Linking physiological and cellular responses to thermal stress: ß-adrenergic blockade reduces the heat shock response in fish. J Comp Physiol B, April 2014.