

Product Datasheet

HSP70 - Salmonid heat shock protein 70, Affinity purified GRP12192

Species/Host	Rabbit
Reactivity	Fish
Predicted Reactivity	Salmo salar (Atlantic salmon), Salvelinus fontinalis (Brook trout)
Tested Applications	IP, WB, IHC
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.
Form/Appearance	Lyophilized in PBS pH 7.4
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.
Note	For research use only.
Clonality	Polyclonal
Purity	Affinity purified serum in PBS, pH 7.4
MW	70 kDa
Uniprot ID	B5X4Z3
Dilution Range	5 µg of antibodies in reaction mixture (IP), 1 : 100 (IHC), 1 : 15 000 (WB)

Application Notes Additional Information: This antibody is recognizing the inducible Hsp70 in salmon but not the constitutive. Immunohistochemistry experiments have been done on salmon tissue treated with hydrated autoclaving of formalin fixed sections (unpublished results) Background: Heat-shock protein 70 (Hsp70) is the major stress-inducible protein in vertebrates and highly conserved throughout evolution. It plays a role as a molecular chaperone and is important for allowing cells to cope with acute stressor insult, especially those affecting the protein machinery. Reconstitution: For reconstitution add 200 µl of sterile water