

Product no **AS05 083A****HSP70/HSC70 | Heat shock protein 70/Heat shock cognate protein 70, Affinity purified****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide conserved across all known sequences of HSP70 <a href="#">P08107</a> and HSC70 proteins <a href="#">P11142</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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** For detection of plant and algal cytoplasmic hsp70 we recommend following product: [AS08 371](#)**Application information**

<b>Recommended dilution</b>	1 : 1000 (IP), 1 : 1000-1 : 5000 (WB)
<b>Expected   apparent MW</b>	70 kDa
<b>Confirmed reactivity</b>	Fish, mammals, fungi: <i>Antrodia infirma</i> , <i>A. sinuosa</i> , <i>A. xantha</i> , <i>Gloeophyllum protractum</i> , <i>Gloeophyllum sepiarium</i> , <i>G. carbonarium</i> , <i>Junghunia luteoalba</i> , <i>Mustelus canis</i> , <i>Oligoporus sericiomollis</i> , <i>Phlebia cornea</i> , <i>Squalus acanthias</i> , <i>Zearaja maugeana</i>
<b>Predicted reactivity</b>	Bovine, <i>Danio rerio</i> (Zebrafish), <i>Drosophila melanogaster</i> , Hen, Mouse, Rat
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	<b>This antibody is not suitable for work with samples from higher plants</b>
<b>Selected references</b>	<a href="#">Bockus</a> et al. (2020). Thermal Range and Physiological Tolerance Mechanisms in Two Shark Species from the Northwest Atlantic. <i>The Biological Bulletin</i> , ahead of print. <a href="#">Morash</a> et al. (2020). The endemic and endangered Maugean Skate ( <i>Zearaja maugeana</i> ) exhibits short-term severe hypoxia tolerance. <i>Conserv Physiol.</i> 2020 Jan 18;8(1):coz105. doi: 10.1093/conphys/coz105. <a href="#">Tunnah</a> et al (2016). Physiological responses to hypersalinity correspond to nursery ground usage in two inshore shark species ( <i>Mustelus antarcticus</i> and <i>Galeorhinus galeus</i> ). <i>J Exp Biol.</i> 2016 Jul 1;219(Pt 13):2028-38. doi: 10.1242/jeb.139964. Epub 2016 May 9. <a href="#">Bockus</a> (2016). A Study of the Regulatory and Environmental Factors Affecting Trimethylamine Oxide Accumulation in Marine Organisms. Open Access Dissertations. Paper 513. <a href="#">French</a> et al. (2015). High survivorship after catch-and-release fishing suggests physiological resilience in the endothermic shortfin mako shark ( <i>Isurus oxyrinchus</i> ). <i>Conservation Physiology</i> , Vol 3, Issue 1, 10.1093/conphys/cov044