

product **AS05 083A**

HSP70/HSC70 | Heat shock protein 70/Heat shock cognate protein 70, affinity purified

product information

background	Heat shock protein 70 (Hsp70) is the major stress-inducible protein in vertebrates and is highly conserved throughout evolution. It plays a role as a molecular chaperone and is important for allowing cells to cope with acute stress or insult, especially those affecting the protein machinery. Heat shock cognate protein 70 (HSC70) is a highly conserved protein and a member of the family of molecular chaperones.
immunogen	<u>KLH</u> -conjugated synthetic peptide conserved across all known sequences of HSP70 and HSC70 proteins
antibody format	rabbit; polyclonal; affinity purified rabbit serum on peptide column, in lyophilized; PBS pH 7.4;
quantity	100 µg - 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 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.
tested applications	Western blot (WB), immunoprecipitation (IP)
additional information	for detection of plant and algal cytoplasmic hsp70 we recommend following product: AS08 371

application information

recommended dilution	1: 1000 with standard ECL (WB), 1: 10 000 with ECL Advance (GE Healthcare), 1: 1000 (IP)
expected apparent MW	70 kDa
confirmed reactivity	fish, mammals
predicted reactivity	vertebrates including bovine, hen, mouse, rat; insects including <i>Drosophila melanogaster</i>
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	this antibody is not suitable for work with samples from higher plants
selected references	to be added when available

Agrisera

Antibodies for research

This product is **for research use only** (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 035 33033 | www.agrisera.com