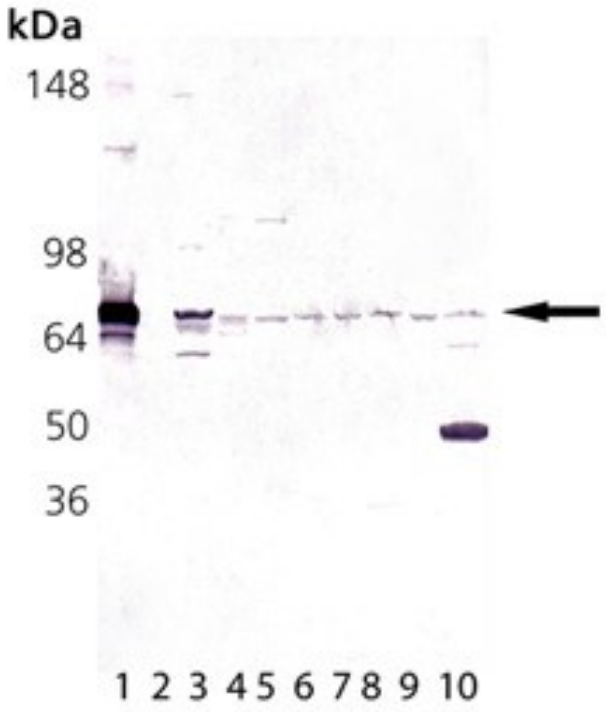
HSP70 (fish) polyclonal antibody

The Hsp70 family of heat shock protiens contains multiple homologs ranging in size from 66-78 kDa, and are the eukaryotic equivalents of the bacterial DnaK. The most studied Hsp70 members include the cytosolic stress-induced Hsp70 (Hsp72), the constitutive cytosolic Hsc70 (Hsp73), and the ER-localized BiP (Grp78). Hsp70 family members contain highly conserved N-terminal ATP-ase and C-terminal protein binding domains. Binding of peptide to Hsp70 is assisted by Hsp40, and stimulates the inherent ATPase activity of Hsp70, facilitating ATP hydrolysis and enhanced peptide binding. Hsp70 nucleotide exchange and substrate binding coordinates the folding of newly synthesized proteins, the re-folding of misfolded or denatured proteins, coordinates trafficking of proteins across cellular membranes, inhibits protein aggregation, and targets the degradation of proteins via the proteasomal pathway.

This antibody is covered by our Worry-Free Guarantee.

Citations: 2 View Online »

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Western Blot Analysis of Hsp70 (fish), pAb (Prod. No. ADI-SPA-763): Lane 1: HSP70/HSP72 (Chinook Salmon) (recombinant) (Prod. No. ADI-SPP-763), Lane 2: Dnak (E.Coli) (recombinant) (Prod. No. ADI-SPP-630), Lane 3: RTG-2 Cell Lysate, Lane 4: HeLa Cell Lysate (Prod. No. ADI-LYC-HL100), Lane 5: L-929 Cell Lysate, Lane 6: Rat-2 Cell Lysate, Lane 7: MDBK Cell Lysate, Lane 8: MDCK Cell Lysate, Lane 9: Drosophila Cell Lysate, Lane 10: Chicken Heart Lysate

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Hsp70, HspA1A, Heat shock protein 70, HspA1B, Hsp72
Application	WB
Application Notes	Detects a band of ~70kDa by Western blot.
Formulation	Liquid. Whole rabbit serum.
Host	Rabbit
Immunogen	Recombinant salmon Hsp70.
Purity Detail	Antiserum.
Recommendation Dilutions/Conditions	Western Blot (1:1,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Whole rabbit serum.
Species Reactivity	Bovine, Chicken, Dog, Drosophila, Fish, Human, Mouse, Rat
UniProt ID	Q91233
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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