



Datasheet for ABIN725360
anti-HSP70 antibody (AA 481-534)



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Overview

Quantity:	100 µL
Target:	HSP70
Binding Specificity:	AA 481-534
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP70 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSP70
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HSP70
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Target Details

Alternative Name: HSP70 ([HSP70 Products](#))

Background: Synonyms: HSP72, HSPA1, HSP7I, HSP7-1, HSP7-1A, HEL-S-13, Heat shock 7 kDa protein 1A/1B, Heat shock 7 kDa protein 1/2, HSP7-1/HSP7-2, HSP7.1/HSP7.2, HSPA1A, HSX7
Background: In cooperation with other chaperones, Hsp7s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell.

Gene ID: 3303

UniProt: [P08107](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

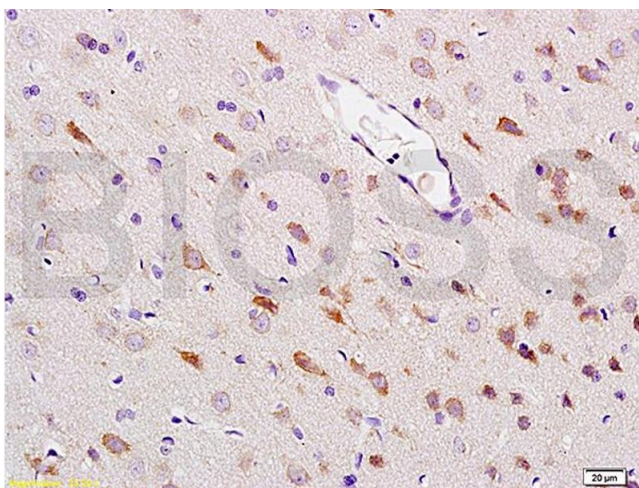
Publications

Product cited in: Zhang, Zhao, Zhang, Hao, Yu, Min, Li, Ma, Chen, Yi, Tang, Meng, Liu, Wang, Shen, Zhang: "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." in: **Chemosphere**, Vol. 194, pp. 147-157, (2018) ([PubMed](#)).

Wang, Wang, Feng, Mi, Chen, Shang, Chen: "Comparative vesicle proteomics reveals selective regulation of protein expression in chestnut blight fungus by a hypovirus." in: **Journal of proteomics**, (2012) ([PubMed](#)).

Wang, Ma, Yang, Zhao, Yao, Jian, Luo, Xia: "Proteomic analysis of the sea-island cotton roots infected by wilt pathogen *Verticillium dahliae*." in: **Proteomics**, Vol. 11, Issue 22, pp. 4296-309, (2011) ([PubMed](#)).

Images



Immunohistochemistry

Image 1.

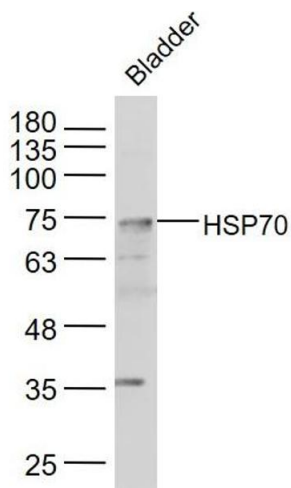
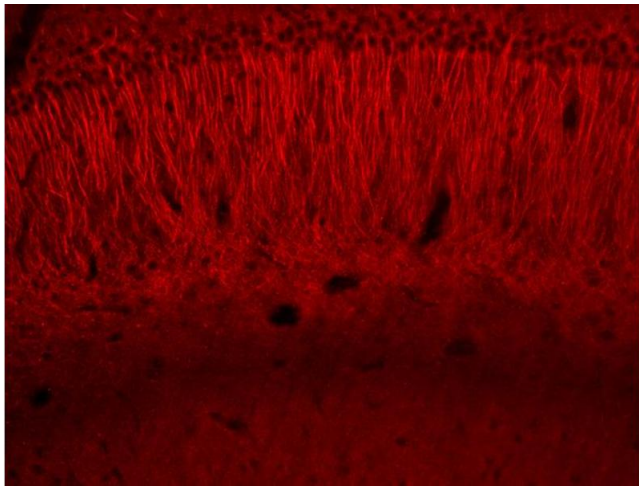


Image 2. Mouse bladder lysates probed with HSP70 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunofluorescence

Image 3. Generously provided by Merlin Levine from National Institutes of Health as part of the Bioss Discovery Program. Mouse brain labeled with Anti-HSP70 Polyclonal Antibody, Unconjugated (ABIN725360) at 1:100 overnight. The secondary antibody was AlexaFluor 555 goat anti mouse IgG1 used at 1:250 for one hour.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN725360.