

AB-NN060-8

HSP70 Antibody

Pan-specific monoclonal antibody (5A5) for monitoring the expression of human heat shock protein HSP70



KINEXUS

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Target Protein

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|--------------------------------------|---|
| Name Long: | Heat shock 70 kDa protein 1A |
| Alias: | HSP70 1, HSP70 2, HSP70.1, HSP72, HSPA1, HSPA1A, HSPA1B |
| UniProt ID: | P0DMV8 - Human |
| Human Predicted Mass (kDa): | 70.052 (641 AA; P0DMV8-1); 63.937 (586 AA; P0DMV8-2) |
| Observed SDS-PAGE Mass (kDa): | 70 |

Immunogen

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| Antibody Immunogen Source: | Human recombinant HSP70 overexpressed in E.coli |
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Production

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| Antibody Host Species: | Mouse |
| Antibody Type: | Monoclonal |
| Antibody Ig Isotype Clone Lot: | 129 IgG1 |
| Antibody Purification: | Protein G purified |
| Amount: | 25 µg |
| Antibody Concentration: | 1 mg/ml |
| Lot Number: | 15DE1 |
| Storage Buffer: | Phosphate buffered saline pH 7.4 pH7.2, 50% glycerol, 0.09% sodium azide |
| Storage Conditions and Stability: | For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. |

Applications

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| Product Use: | WB IHC ICC/IF IP |
| Antibody Dilution Recommended: | WB (1:1000), ICC/IF (1:500), IP (1µg); optimal dilutions for assays should be determined by the user. |
| Antibody Species Reactivity: | Human Mouse Rat Amphibian Chicken Fish S. cerevisiae Drosophila |
| Antibody Positive Control: | 1 µg/ml of SMC-162 was sufficient for detection of HSP70 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. |
| Target Detection Immunoblotting: | Detects a ~70 kDa protein. |
| Antibody Specificity: | Very high |
| Antibody Cross Reactivities: | May detect HSP70, HSC70, Grp78 and HSP72. |

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987