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## Datasheet for ABIN650754 anti-Hsc70 antibody (N-Term)

4 Images

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### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 400 µL   |
| Target:              | Hsc70 (HSPA8)  |
| Binding Specificity: | AA 82-110, N-Term  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Hsc70 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | This HSPA8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-110 amino acids from the N-terminal region of human HSPA8. |
| Clone:                | RB17655   |
| Isotype:              | Ig Fraction   |
| Predicted Reactivity: | B, C, Ha, Hs, M, Rat  |
| Purification:         | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.   |

### Target Details

|         |               |
|---------|---------------|
| Target: | Hsc70 (HSPA8) |
|---------|---------------|

## Target Details

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|                   |   |
|-------------------|---|
| Alternative Name: | HSPA8 ( <a href="#">HSPA8 Products</a> )  |
| Background:       | HSPA8 belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. HSPA8 is a heat-shock cognate protein. This protein binds to nascent polypeptides to facilitate correct folding. The protein also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. |
| Molecular Weight: | 70898   |
| Gene ID:          | 3312  |
| NCBI Accession:   | <a href="#">NP_006588</a> , <a href="#">NP_694881</a>   |
| UniProt:          | <a href="#">P11142</a>  |

## Application Details

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|                    |  |
|--------------------|--|
| Application Notes: | IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50 |
| Restrictions:      | For Research Use only                                |

## Handling

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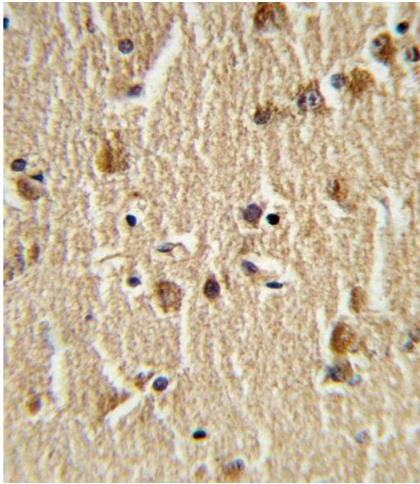
|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                     |
| Storage:           | 4 °C, -20 °C   |
| Storage Comment:   | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date:       | 6 months   |

## Publications

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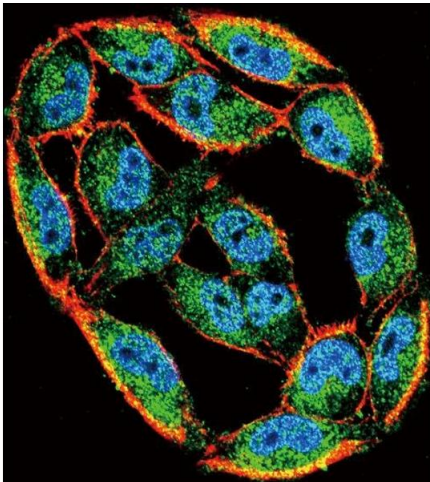
|                   |   |
|-------------------|---|
| Product cited in: | Xu, Han, Epstein, Liu: "Regulation of PDK mRNA by high fatty acid and glucose in pancreatic islets." in: <b>Biochemical and biophysical research communications</b> , Vol. 344, Issue 3, pp. 827-33, (2006) ( <a href="#">PubMed</a> ). |
|-------------------|---|

Validation report #101148 for Western Blotting (WB)



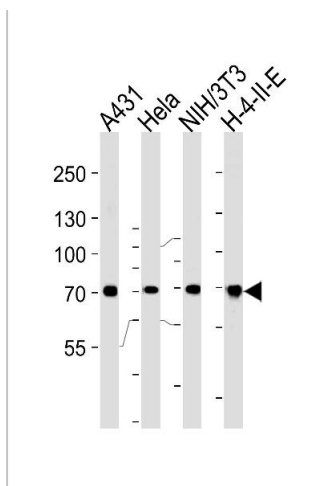
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with HS Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



**Immunofluorescence**

**Image 2.** Confocal immunofluorescent analysis of HS Antibody (N-term) (ABIN650754 and ABIN2839488) with cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DI was used to stain the cell nuclear (blue).



**Western Blotting**

**Image 3.** Western blot analysis of lysates from A431, HeLa, mouse NIH/3T3, rat H-4-II-E cell line (from left to right), using HS Antibody (N-term) (ABIN650754 and ABIN2839488). (ABIN650754 and ABIN2839488) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN650754.