

Datasheet for ABIN1944844
anti-Hsc70 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	Hsc70 (HSPA8)
Binding Specificity:	AA 539-569, C-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 539-569 amino acids from the C-terminal region of human HSPA8.
Clone:	RB16528
Isotype:	Ig Fraction
Predicted Reactivity:	B, 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)
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Target Details

Alternative Name:	HSPA8 (HSPA8 Products)
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:	NP_006588 , NP_694881
UniProt:	P11142

Application Details

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

Handling

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
Expiry Date:	6 months

Publications

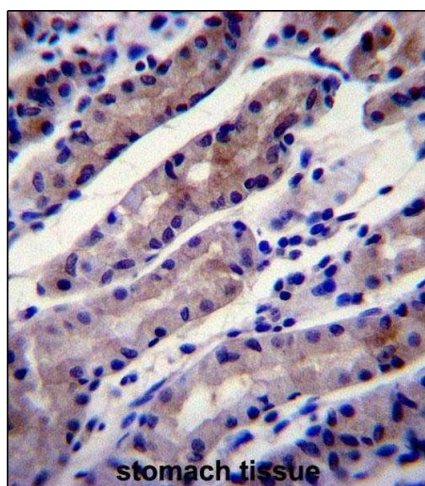
Product cited in:	Humphray, Oliver, Hunt, Plumb, Loveland, Howe, Andrews, Searle, Hunt, Scott, Jones, Ainscough, Almeida, Ambrose, Ashwell, Babbage, Babbage, Bagguley, Bailey, Banerjee, Barker, Barlow, Bates, Beasley et al.: "DNA sequence and analysis of human chromosome 9. ..." in: Nature , Vol. 429, Issue 6990, pp. 369-74, (2004) (PubMed). Liu, Meakin: "ShcB and ShcC activation by the Trk family of receptor tyrosine kinases." in: The
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Journal of biological chemistry, Vol. 277, Issue 29, pp. 26046-56, (2002) ([PubMed](#)).

Nakamura, Sanokawa, Sasaki, Ayusawa, Oishi, Mori: "N-Shc: a neural-specific adapter molecule that mediates signaling from neurotrophin/Trk to Ras/MAPK pathway." in: **Oncogene**, Vol. 13, Issue 6, pp. 1111-21, (1996) ([PubMed](#)).

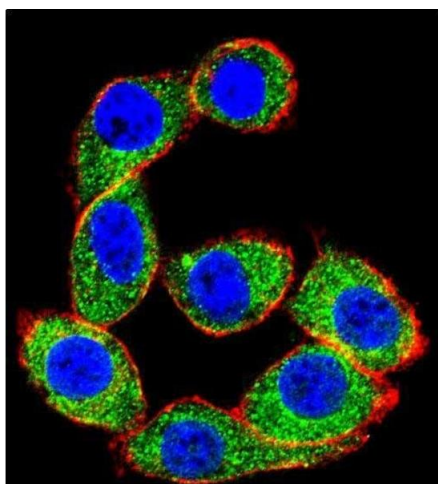
Pelicci, Dente, De Giuseppe, Verducci-Galletti, Giuli, Mele, Vetriani, Giorgio, Pandolfi, Cesareni, Pelicci: "A family of Shc related proteins with conserved PTB, CH1 and SH2 regions." in: **Oncogene**, Vol. 13, Issue 3, pp. 633-41, (1996) ([PubMed](#)).

Images



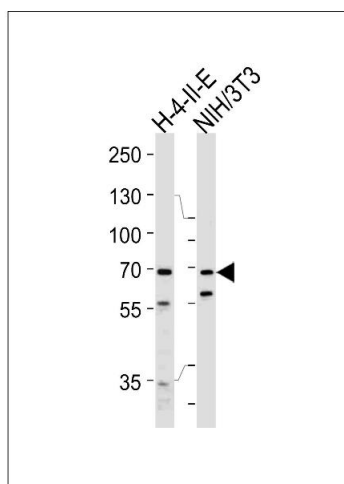
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. HS Antibody (C-term) (ABIN1944844 and ABIN2839489) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HS Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HS Antibody (C-term) (ABIN1944844 and ABIN2839489) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



Western Blotting

Image 3. Western blot analysis of lysates from rat H-4-II-E, mouse NIH/3T3 cell line (from left to right), using HS Antibody (C-term) (ABIN1944844 and ABIN2839489). (ABIN1944844 and ABIN2839489) 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 ABIN1944844.