



Datasheet for ABIN388133
anti-GRP78 antibody



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6 Images

2 Publications

Overview

Quantity:	200 µL
Target:	GRP78 (HSPA5)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRP78 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This HSPA5 antibody is generated from rabbits immunized with a recombinant protein encoding full length human HSPA5.
Clone:	RB1768
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	GRP78 (HSPA5)
Alternative Name:	HSPA5 (HSPA5 Products)
Background:	In cooperation with other chaperones, HSP70s stabilize preexistent proteins against

Target Details

aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. The HSP70s in mitochondria and the endoplasmic reticulum play an additional role by providing a driving force for protein translocation. They are involved in signal transduction pathways in cooperation with HSP90. They 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.

Molecular Weight: 72333

Gene ID: 3309

NCBI Accession: [NP_005338](#)

UniProt: [P11021](#)

Pathways: [Thyroid Hormone Synthesis](#), [ER-Nucleus Signaling](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100. 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.

Handling Advice: Avoid freeze-thaw cycles.

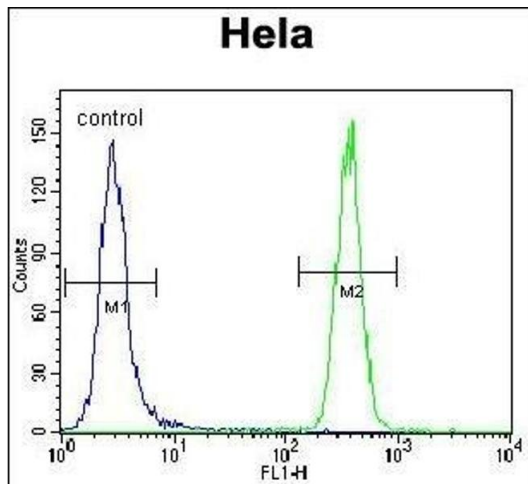
Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

Expiry Date: 6 months

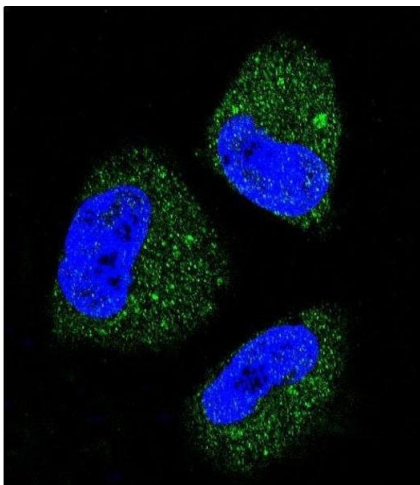
Product cited in: Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 138, (2014) ([PubMed](#)).

Images



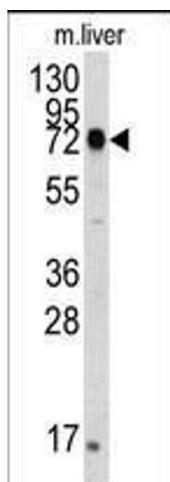
Flow Cytometry

Image 1. HS Antibody (ABIN388133 and ABIN2846370) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HS Antibody (ABIN388133 and ABIN2846370) with NCI- cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. The anti-HS Pab (ABIN388133 and ABIN2846370) is used in Western blot to detect HS in mouse liver tissue lysate. HS (arrow) was detected using the purified Pab.

Images

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN388133.