

Datasheet for ABIN659080
anti-HSP70 1A antibody (AA 574-600)



[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	HSP70 1A (HSPA1A)
Binding Specificity:	AA 574-600
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This HSPA1A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 574-600 amino acids from human HSPA1A.
Clone:	201CT8-2-3
Isotype:	IgG1 kappa
Predicted Reactivity:	B, Pig
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	HSP70 1A (HSPA1A)
Alternative Name:	HSPA1A (HSPA1A Products)
Background:	This intronless gene encodes a 70 kDa heat shock protein which is a member of the heat shock

Target Details

protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

Gene ID: 3304, 3303

NCBI Accession: [NP_005336](#), [NP_005337](#)

UniProt: [P08107](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:100~2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

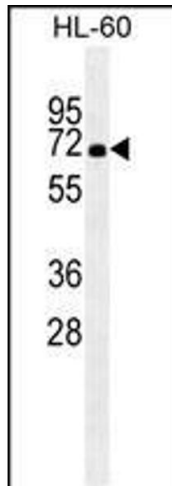
Preservative: Sodium azide

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

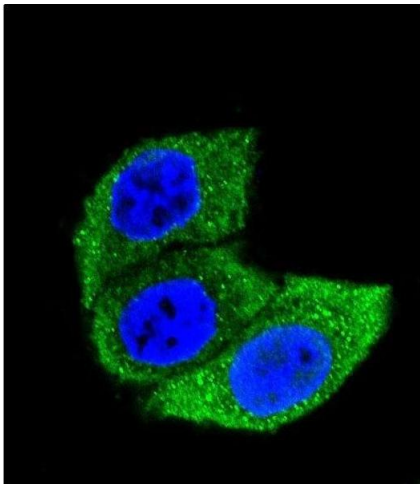
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. HSA antibody (ABIN659080 and ABIN2838072) western blot analysis in HL-60 cell line lysates (35 μ g/lane). This demonstrates the HSA antibody detected the HSA protein (arrow).



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HSA Antibody (ABIN659080 and ABIN2838072) with HeLa cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).