

Datasheet for ABIN3031162  
**anti-HSP70 antibody (AA 577-596)**



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6 Images

## Overview

Quantity:	100 µg
Target:	HSP70
Binding Specificity:	AA 577-596
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP70 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Amino acids 577-596 (VISWLDANTLAEKDEFEHKR-human) were used as the immunogen for this HSP70 antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	HSP70
Alternative Name:	HSP70 ( <a href="#">HSP70 Products</a> )
Background:	HSPA1 (heat shock 70 kDa protein 1A) also known as HSPA1A, HSP72 or HSP70I, is a protein that in humans is encoded by the HSPA1A gene. This intronless gene encodes a 70 kDa heat

Target Details

shock protein which is a member of the heat shock protein 70 family. The HSPA1A gene encodes a predicted 641-amino acid protein. Shimizu et al.(1999) found that peripheral blood mononuclear cells of 18 major depression patients expressed a short HSPA1A transcript that utilized exon 1 rather than exon 2, which is found in the more common HSPA1A transcript. No protein was associated with expression of this short HSPA1A mRNA, possibly due to lack of a TATA box or loss of internal ribosome binding sites. Treatment with BGP-15, a pharmacologic inducer of HSP72 that can protect against obesity-induced insulin resistance, improved muscular architecture, strength, and contractile function in severely affected diaphragm muscles in mdx dystrophic mice.

UniProt: [P08107](#)

Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the HSP70 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL

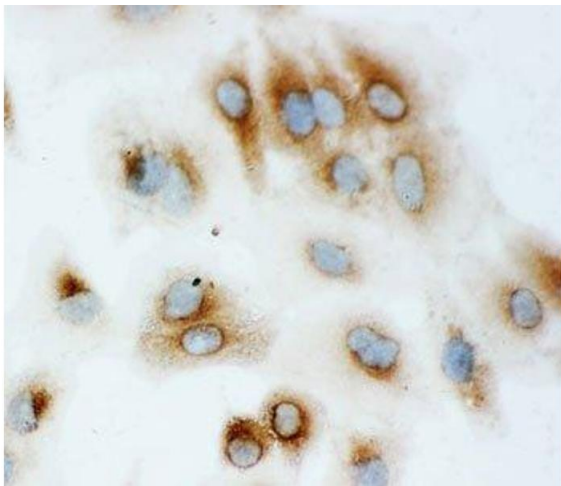
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

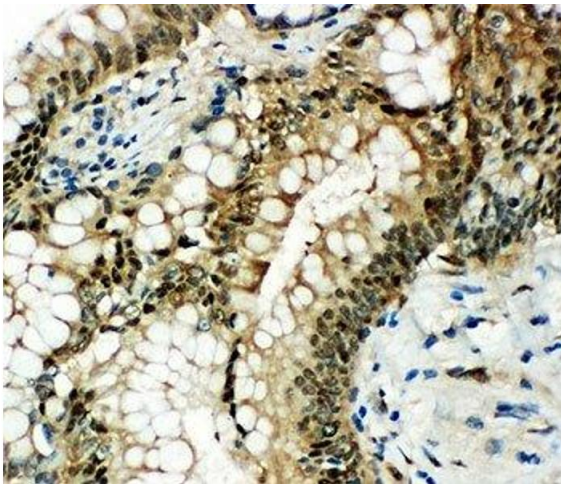
Storage: -20 °C

Storage Comment: After reconstitution, the HSP70 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



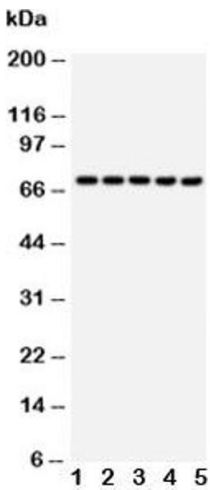
**Immunocytochemistry**

**Image 1.** ICC testing of HSP70 antibody and A549 cells



**Immunohistochemistry**

**Image 2.** IHC-P: HSP70 antibody testing of human intestinal cancer tissue



**Western Blotting**

**Image 3.** Western blot testing of HSP70 antibody and Lane 1: 293T; 2: HeLa; 3: A549; 4: A431; 5: PANC cell lysate

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3031162.