

Datasheet for ABIN7427933  
**anti-HSP70 1A antibody (AA 1-641)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	HSP70 1A (HSPA1A)
Binding Specificity:	AA 1-641
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HSP70 1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Monoclonal Antibody to Heat Shock 70kDa Protein 1A (HSPA1A)
Immunogen:	Recombinant Heat Shock 70kDa Protein 1A (HSPA1A) corresponding to Met1~Asp641 with N-terminal His Tag
Clone:	2#
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against HSPA1A. It has been selected for its ability to recognize HSPA1A in immunohistochemical staining and western blotting.
Cross-Reactivity:	Cow, Dog, Guinea Pig, Mouse
Purification:	Protein A + Protein G affinity chromatography

## Target Details

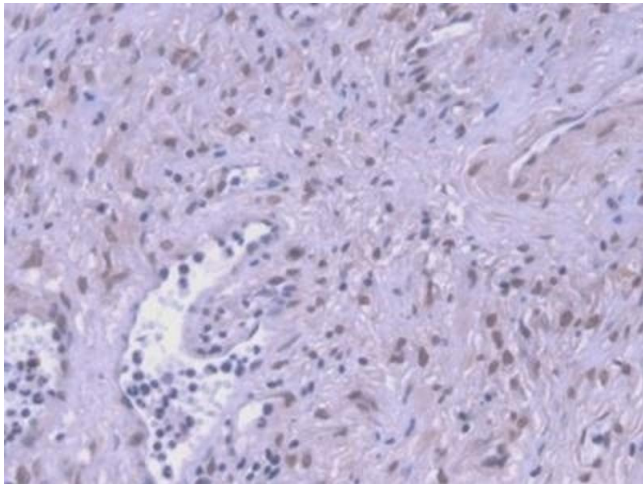
Target:	HSP70 1A (HSPA1A)
Alternative Name:	Heat Shock 70kDa Protein 1A ( <a href="#">HSPA1A Products</a> )
Background:	HSP70-1, HSP-A1A, HSPA1, HSP70-2, HSX70
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

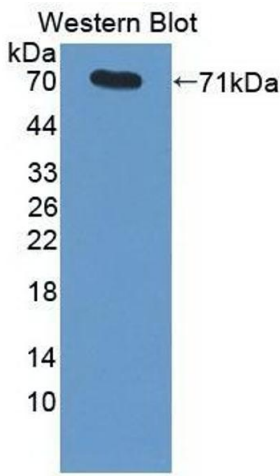
## Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



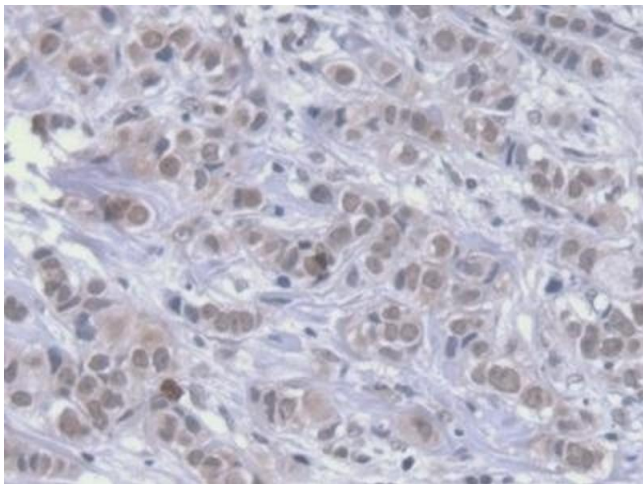
#### Immunohistochemistry

**Image 1.** Detection of HSPA1A in Human Prostate Tissue using Monoclonal Antibody to Heat Shock 70 kDa Protein 1A (HSPA1A)



#### Western Blotting

**Image 2.** Detection of Recombinant HSPA1A, Human using Monoclonal Antibody to Heat Shock 70 kDa Protein 1A (HSPA1A)



#### Immunohistochemistry

**Image 3.** Detection of HSPA1A in Human Breast cancer Tissue using Monoclonal Antibody to Heat Shock 70 kDa Protein 1A (HSPA1A)