

Datasheet for ABIN391830  
**anti-HSP70 1A antibody (AA 19-48)**

3 Images

1 Publication

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## Overview

Quantity:	400 µL
Target:	HSP70 1A (HSPA1A)
Binding Specificity:	AA 19-48
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP70 1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This HSPA1A/HSPA1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-48 amino acids from human HSPA1A/HSPA1B.
Clone:	RB12700
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig, Pr, E, C, X, Y, Ha, Zf, Hs, D
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	HSP70 1A (HSPA1A)
Alternative Name:	HSPA1A/HSPA1B ( <a href="#">HSPA1A Products</a> )

## Target Details

Background:	HSPA1A is a member of the heat shock 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.
Gene ID:	3304
NCBI Accession:	<a href="#">NP_005336</a> , <a href="#">NP_005337</a>
UniProt:	<a href="#">P08107</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

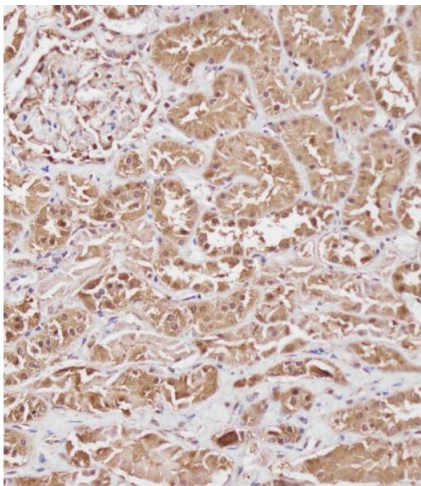
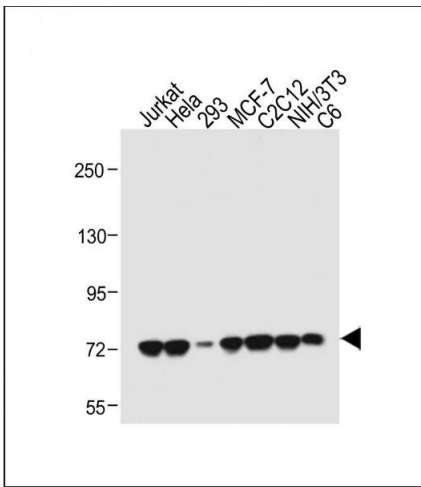
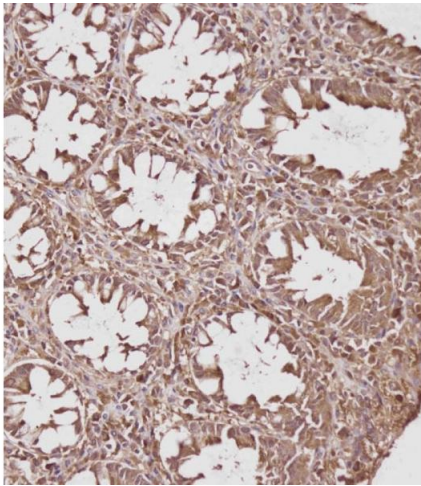
Application Notes:	WB: 1:4000. IHC-P: 1:100. IHC-P: 1:100
Restrictions:	For Research Use only

## 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
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

## Publications

Product cited in:	Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: <b>Molecular medicine reports</b> , Vol. 14, Issue 4, pp. 2929-36, (2017) ( <a href="#">PubMed</a> ).
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#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of (ABIN391830 and ABIN2841673) on paraffin-embedded Human colon tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH 9.0). Samples were incubated with primary Antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

#### Western Blotting

**Image 2.** All lanes : Anti-HSA(Y41) Antibody at 1:4000 dilution Lane 1: Jurkat whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: 293 whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: C2C12 whole cell lysate Lane 6: NIH/3T3 whole cell lysate Lane 7: C6 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemical analysis of (ABIN391830 and ABIN2841673) on paraffin-embedded Human kidney tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH 9.0). Samples were incubated with primary Antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.