

Datasheet for ABIN6142046  
**anti-HSPA6 antibody (AA 474-643)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	HSPA6
Binding Specificity:	AA 474-643
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPA6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 474-643 of human HSPA6 (NP_002146.2).
Sequence:	PQIEVTFDID ANGILSVTAT DRSTGKANKI TITNDKGRLS KEEVERMVHE AEQYKAEDEA QRDRVAAKNS LEAHVFHVKG SLQEESLRDK IPEEDRRKMQ DKCREVLAWL EHNQLAEKEE YEHQKRELEQ ICRPIFSRLY GGPGVPGGSS CGTQARQGDP STGPIIEVD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	HSPA6
Alternative Name:	HSPA6 ( <a href="#">HSPA6 Products</a> )
Background:	<p>Molecular chaperone implicated in a wide variety of cellular processes, including protection of the proteome from stress, folding and transport of newly synthesized polypeptides, activation of proteolysis of misfolded proteins and the formation and dissociation of protein complexes. Plays a pivotal role in the protein quality control system, ensuring the correct folding of proteins, the re-folding of misfolded proteins and controlling the targeting of proteins for subsequent degradation. This is achieved through cycles of ATP binding, ATP hydrolysis and ADP release, mediated by co-chaperones. The affinity for polypeptides is regulated by its nucleotide bound state. In the ATP-bound form, it has a low affinity for substrate proteins. However, upon hydrolysis of the ATP to ADP, it undergoes a conformational change that increases its affinity for substrate proteins. It goes through repeated cycles of ATP hydrolysis and nucleotide exchange, which permits cycles of substrate binding and release.,HSPA6,HSP70B,Cancer,Tumor biomarkers,Signal Transduction,Cell Biology &amp; Developmental Biology,Endocrine &amp; Metabolism,Mitochondrial metabolism,HSPA6</p>
Molecular Weight:	71 kDa
Gene ID:	3310
UniProt:	<a href="#">P17066</a>

## Application Details

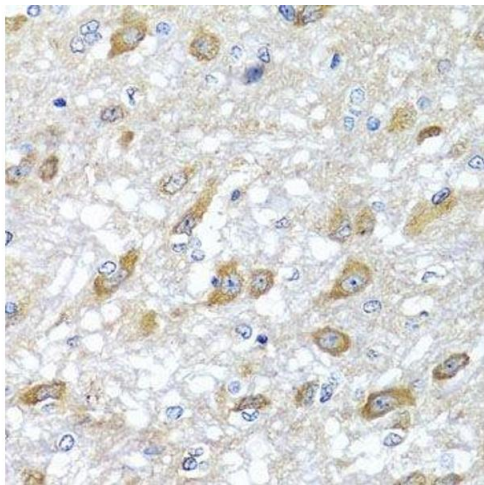
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

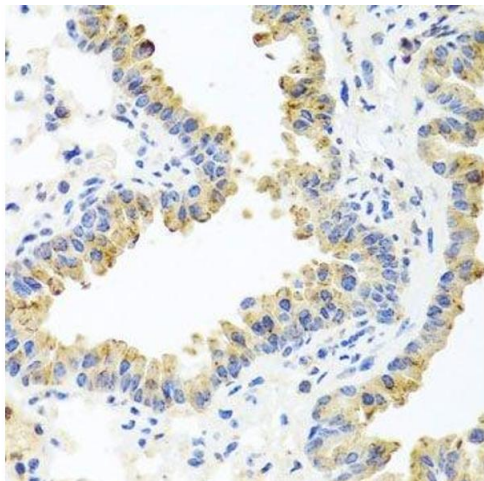
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



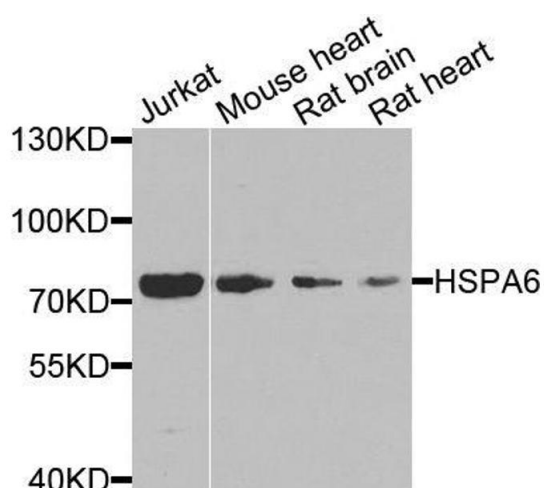
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded rat brain using HSPA6 antibody.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded mouse lung using HSPA6 antibody.



**Western Blotting**

**Image 3.** Western blot analysis of extracts of various cell lines, using HSPA6 antibody.