

## HIKESHI Recombinant antibody

**Cat:** B35067D

**Company:** HaoKebio

**Uniprot ID:** Q53FT3

**Applications:** IHC:1:100-1:200

**Organism:** Rabbit

IHC-Polymer:1:400-1:800

**Species reactivity:** Human Mouse

IHC-TSA:1:500-1:1000

**Molecular Weight Calculation:** 22 kDa

WB:1:1000

**Observed Molecular Weight:** 22 kDa

### Background:

This gene encodes an evolutionarily conserved nuclear transport receptor that mediates heat-shock-induced nuclear import of 70 kDa heat-shock proteins (Hsp70s) through interactions with FG-nucleoporins. The protein mediates transport of the ATP form but not the ADP form of Hsp70 proteins under conditions of heat shock stress. Structural analyses demonstrate that the protein forms an asymmetric homodimer and that the N-terminal domain consists of a jelly-roll/beta-sandwich fold structure that contains hydrophobic pockets involved in FG-nucleoporin recognition. Reduction of RNA expression levels in HeLa cells using small interfering RNAs results in inhibition of heat shock-induced nuclear accumulation of Hsp70s, indicating a role for this gene in regulation of Hsp70 nuclear import during heat shock stress.

### Protein full name:

Heat Shock Protein Nuclear Import Factor

### Synonyms:

HLD13; L7RN6; OPI10; HSPC138; HSPC179; C11orf73

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

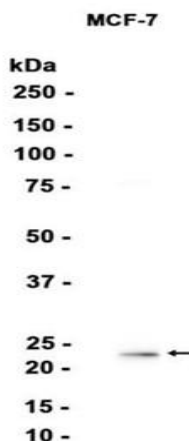
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

### Source of Reagents:

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