NKMAXBiO we support you, we believe in your research Human HSPA13 antibody Catalog Number: ATGA0477

## **PRODUCT INFORMATION**

Catalog number ATGA0477

Clone No. AT2F6

Product type Monoclonal Antibody

**UnitProt No.** P48723

NCBI Accession No. AAH36370

Alternative Names Heat shock protein 70kDa family member 13, STCH

## **PRODUCT SPECIFICATION**

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

# **Formulation** Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen Recombinant human HSPA13 (23-471aa) purified from E. coli

# Isotype

lgG1 kappa

**Purification Note** By protein-A affinity chromatography

## Application

ELISA, WB, ICC/IF

## Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

## Storage

For research use only. This product is not intended or approved for human, diagnostics or veterinary use. Website: www.nkmaxbio.com email: supportbio@nkmax.com



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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

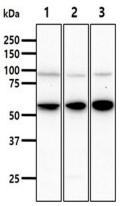
HSPA13, also known as STCH, is a member of the heat shock protein 70 family and is found associated with microsomes. Members of this protein family play a role in the processing of cytosolic and secretory proteins, as well as in the removal of denatured or incorrectly-folded proteins. HSPA13 has been found to interact with PLIC-1 and PLIC-2, proteins involved in the signaling connection between the membrane receptors for thrombospondin and the cytoskeleton.

#### **General References**

Rual JF., et al. (2005) Nature. 437(7062): 1173-8. Lim J., et al. (2006) Cell. 125(4): 801-14.

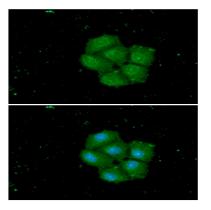
## DATA

#### Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HSPA13 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: K562 cell lysate Lane 3.: MCF7 cell lysate

## Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of HSPA13 in Hep3B cells. The cell was stained with ATGA0477 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

