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Anti-HSC70 Interacting Protein HIP Antibody

Catalog # ABO11238

Specification

Anti-HSC70 Interacting Protein HIP Antibody - Product Information

Application	**WB**
Primary Accession	P50502
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Hsc70-interacting protein(ST13) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HSC70 Interacting Protein HIP Antibody - Additional Information

Gene ID 6767

Other Names
Hsc70-interacting protein, Hip, Aging-associated protein 2, Progesterone receptor-associated p48 protein, Protein FAM10A1, Putative tumor suppressor ST13, Renal carcinoma antigen NY-REN-33, Suppression of tumorigenicity 13 protein, ST13, AAG2, FAM10A1, HIP, SNC6

Calculated MW
41332 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cytoplasm .

Protein Name
Hsc70-interacting protein

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human ST13(1-19aa MDPRKVNELRAFVKMCKQD), different from the related rat and mouse sequences by two amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the FAM10 family.

Anti-HSC70 Interacting Protein HIP Antibody - Protein Information

Name ST13

Synonyms AAG2, FAM10A1, HIP, SNC6

Function
One HIP oligomer binds the ATPase domains of at least two HSC70 molecules dependent on activation of the HSC70 ATPase by HSP40. Stabilizes the ADP state of HSC70 that has a high affinity for substrate protein. Through its own chaperone activity, it may contribute to the interaction of HSC70 with various target proteins (By similarity).

Cellular Location
Cytoplasm.

Anti-HSC70 Interacting Protein HIP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HSC70 Interacting Protein HIP Antibody - Images

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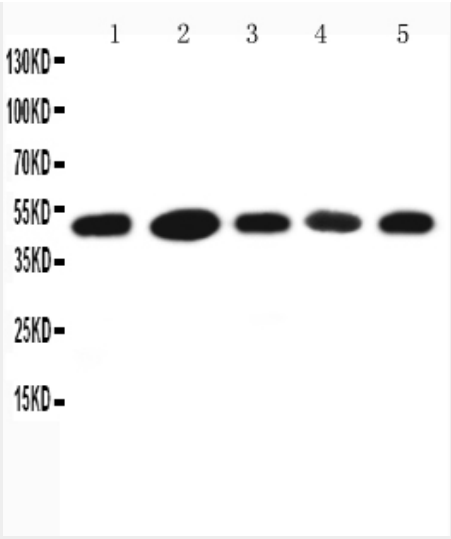

Anti-HSC70 Interacting Protein HIP antibody, ABO11238, Western blottingLane 1: A431 Cell LysateLane 2: HELA Cell LysateLane 3: 293T Cell LysateLane 4: JURKAT Cell LysateLane 5: MCF-7 Cell Lysate

Anti-HSC70 Interacting Protein HIP Antibody - Background

ST13(Suppression of Tumorigenicity 13), also known as P48 or HIP, is a protein that in humans is encoded by the ST13 gene. ST13 is an abundant, highly conserved protein that binds the major cytosolic chaperones heat-shock protein 70-kD(HSP70) and HSP90 during an intermediate stage of steroid receptor assembly, but is absent from the mature receptor complex. Zhang et al.(1998) mapped the ST13 gene to chromosome 22q13 by fluorescence in situ hybridization. They noted that colorectal, breast, and ovarian carcinomas frequently show loss of heterozygosity at this site. Using a yeast 2-hybrid assay, Hohfeld et al.(1995) showed that rat Hip bound Hsc70(HSPA8). One Hip oligomer bound the ATPase domains of at least 2 Hsc70 molecules, and binding was dependent on activation of the Hsc70 ATPase by Hsp40(DNAJB1). Hip stabilized the ADP-bound form of Hsc70, which had a high affinity for a test protein substrate. Hohfeld et al.(1995) concluded that HIP contributes to interactions of HSC70 with target proteins through its own chaperone activity.