

Monoclonal anti-human ST13 antibody (clone AT5C6)

Mouse IgG_{2a}, κ

Cat. No. IBATGA0309

Immunogen: Recombinant human HIP/ST13 (1-369aa) purified from *E. coli*

NCBI Accession No.: NP_003923

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human ST13 mAb, clone AT5C6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human GSTT2 protein.

Description: HIP(Hsc70-interacting protein), also known as ST13, is a co-chaperone to the major heat shock proteins, HSP70 and HSP90, and appears in early receptor complexes. Through mutual binding to both HSP70 and HSP90, Hip functions as an adaptor that can integrate HSP70 and HSP90 interactions. Also, Hip has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

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

Application: ELISA, WB, Flow cytometry, ICC/IF

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

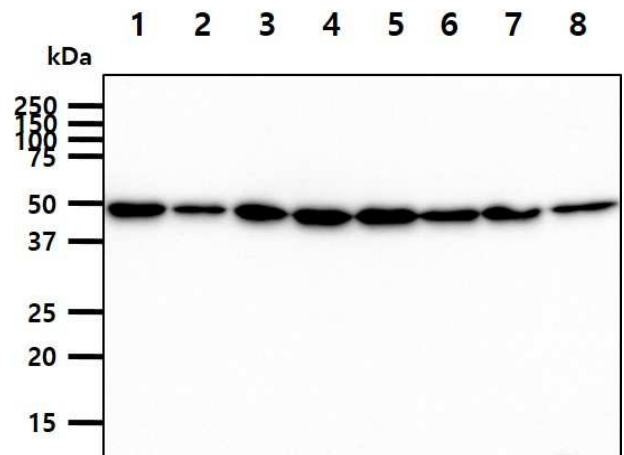
Immuno-Biological Laboratories, Inc. (IBL-America)
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Product information

Western blot analysis

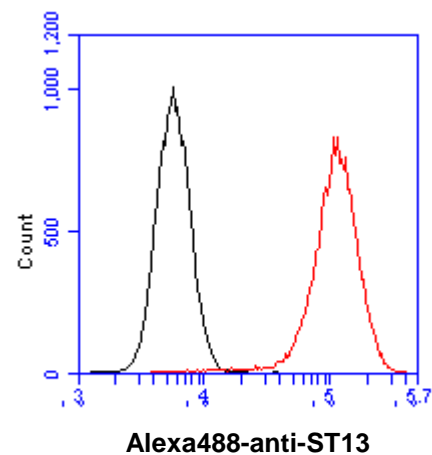
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ST13 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

- Lane 1.: 293T cell lysate
- Lane 2.: HepG2 cell lysate
- Lane 3.: SW480 cell lysate
- Lane 4.: Jurkat cell lysate
- Lane 5.: K562 cell lysate
- Lane 6.: LnCap cell lysate
- Lane 7.: HeLa cell lysate
- Lane 8.: PC3 cell lysate



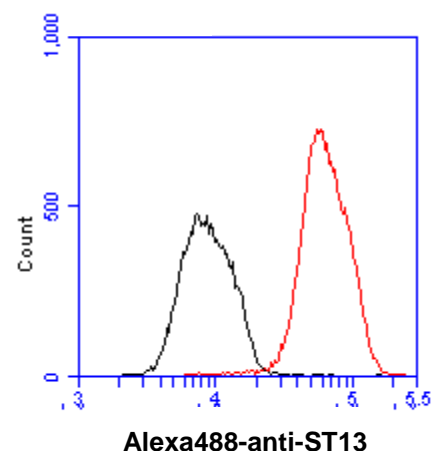
Flow cytometry

Flow cytometry analysis of ST13 in 293T cell line, staining at 2-5ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Flow cytometry

Flow cytometry analysis of ST13 in Hep3B cell line, staining at 2-5ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

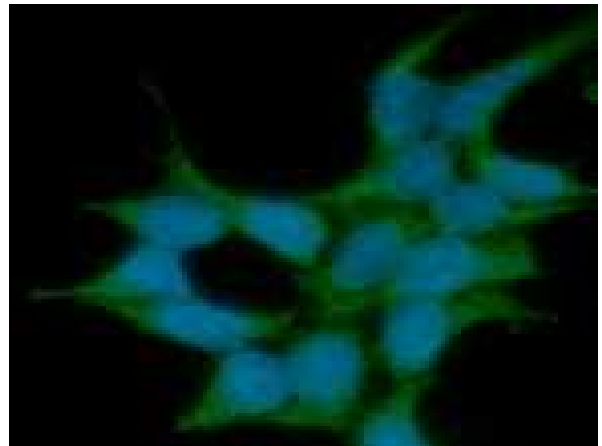


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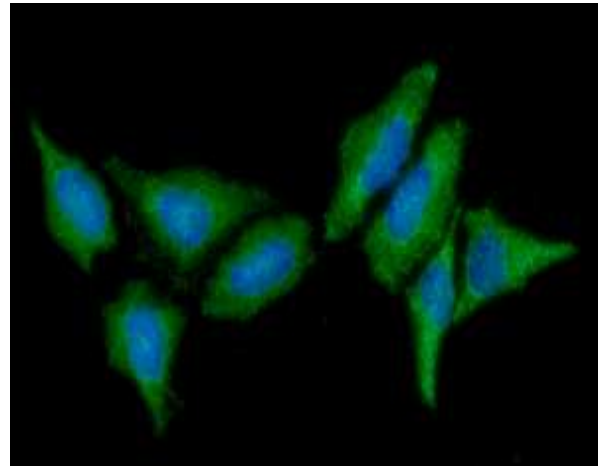
ICC/IF analysis

ICC/IF analysis of ST13 in 293T cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ST13 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



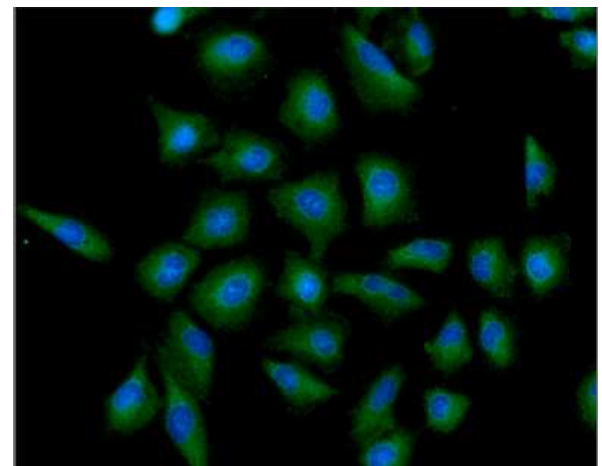
ICC/IF analysis

ICC/IF analysis of ST13 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ST13 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



ICC/IF analysis

ICC/IF analysis of ST13 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ST13 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



General references: Nelson GM., *et al.* (2004) *Mol Endocrinol.* **18(7)**: 1620-30.
Johnson BD., *et al.* (1998) *J Biol Chem.* **273(6)**: 3679-86.

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