ARG57136
anti-ST13 / Hip antibody [5C6]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5C6] recognizes ST13 / Hip
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	5C6
Isotype	IgG2a, kappa
Target Name	ST13 / Hip
Species	Human
Immunogen	Recombinant fragment around aa. 1-369 of Human ST13 / Hip
Conjugation	Un-conjugated
Alternate Names	HIP; SNC6; Putative tumor suppressor ST13; Progesterone receptor-associated p48 protein; Suppression of tumorigenicity 13 protein; HSPABP; Hsc70-interacting protein; HSPABP1; Protein FAM10A1; Hip; AAG2; HOP; P48; FAM10A1; PRO0786; Renal carcinoma antigen NY-REN-33; Aging-associated protein 2; FAM10A4

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
ICC/IF	Assay-dependent
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

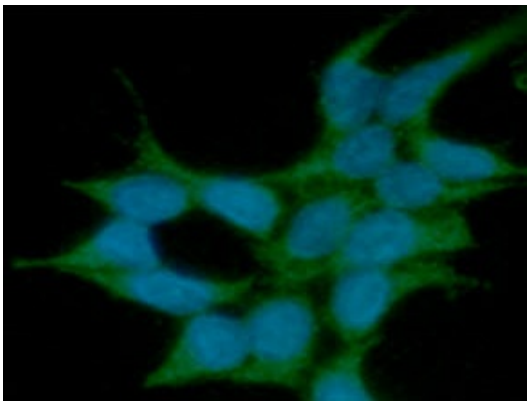
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 6767 Human Swiss-port # P50502 Human
Gene Symbol	ST13
Gene Full Name	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)
Background	The protein encoded by this gene is an adaptor protein that mediates the association of the heat shock proteins HSP70 and HSP90. This protein has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of this gene is reported to be downregulated in colorectal carcinoma tissue suggesting that it is a candidate tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]
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). [UniProt]
Calculated Mw	41 kDa

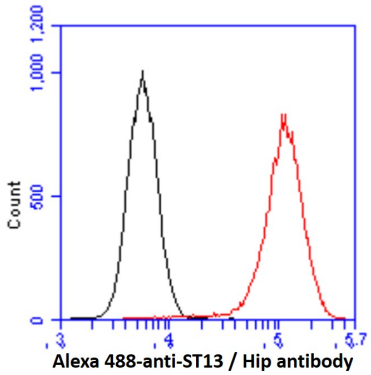
Images



ARG57136 anti-ST13 / Hip antibody [5C6] ICC/IF image

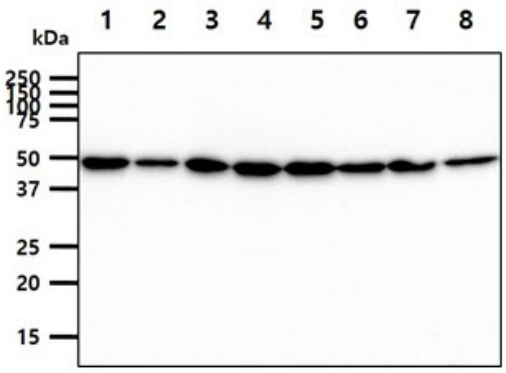
Immunofluorescence: 293T cells line stained with ARG57136 anti-ST13 / Hip antibody [5C6] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



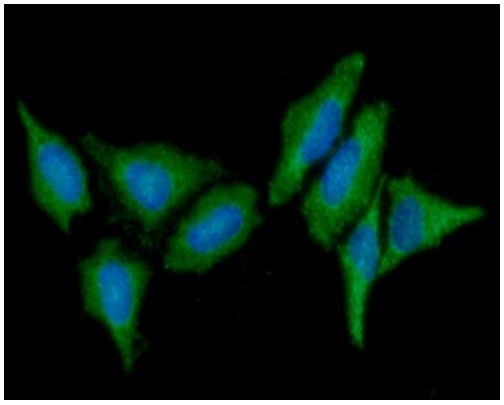
ARG57136 anti-ST13 / Hip antibody [5C6] FACS image

Flow Cytometry: 293T cell line stained with ARG57136 anti-ST13 / Hip antibody [5C6] at 2-5 µg for 1x10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody: Mouse IgG (black line).



ARG57136 anti-ST13 / Hip antibody [5C6] WB image

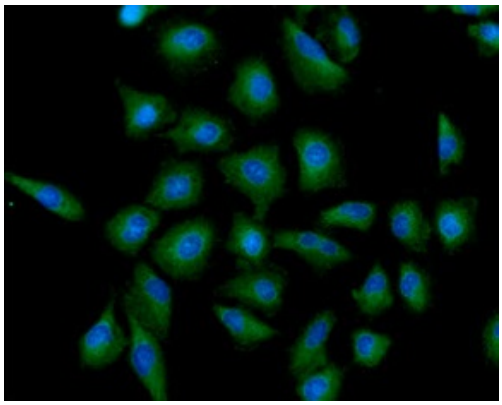
Western blot: 40 µg of 1) 293T, 2) HepG2, 3) SW480, 4) Jurkat, 5) K562, 6) LnCap, 7) HeLa, and 8) PC3 cell lysates stained with ARG57136 anti-ST13 / Hip antibody [5C6] at 1:1000.



ARG57136 anti-ST13 / Hip antibody [5C6] ICC/IF image

Immunofluorescence: HeLa cells line stained with ARG57136 anti-ST13 / Hip antibody [5C6] at 1:100 (Green).

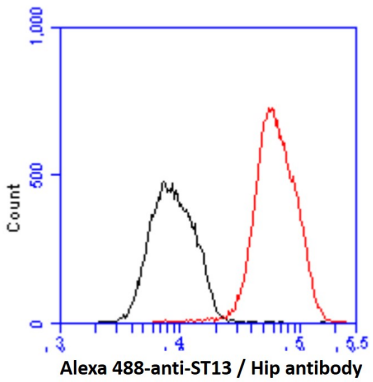
DAPI (Blue) for nucleus staining.



ARG57136 anti-ST13 / Hip antibody [5C6] ICC/IF image

Immunofluorescence: A549 cells line stained with ARG57136 anti-ST13 / Hip antibody [5C6] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57136 anti-ST13 / Hip antibody [5C6] FACS image

Flow Cytometry: Hep3B cell line stained with ARG57136 anti-ST13 / Hip antibody [5C6] at 2-5 µg for 1x10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody: Mouse IgG (black line).