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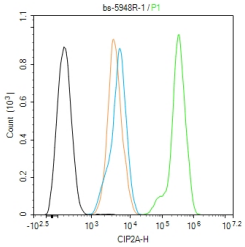
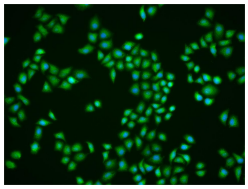
CIP2A/p90 Autoantigen Rabbit pAb

Catalog Number:	bs-5948R
Target Protein:	CIP2A/p90 Autoantigen
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	Flow-Cyt (1ug/Test), ICC/IF (1:50)
Reactivity:	Human (predicted:Mouse, Rat, Rabbit, Cow, Dog)
Predicted MW:	100 kDa
Entrez Gene:	57650
Swiss Prot:	Q8TCG1
Source:	KLH conjugated synthetic peptide derived from human p90 Autoantigen: 601-700/905.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Inhibition of protein phosphatase 2A (PP2A) activity has been identified as a prerequisite for the transformation of human cells. The protein, designated Cancerous Inhibitor of PP2A (CIP2A, p90 Autoantigen), interacts directly with the oncogenic transcription factor c-Myc, inhibits PP2A activity toward c-Myc serine 62 (S62), and thereby prevents c-Myc proteolytic degradation. In addition to its function in c-Myc stabilization, p90 Autoantigen promotes anchorage-independent cell growth and in vivo tumor formation. The oncogenic activity of p90 Autoantigen is demonstrated by transformation of human cells by overexpression of p90 Autoantigen. Importantly, p90 Autoantigen is overexpressed in two common human malignancies, head and neck squamous cell carcinoma (HNSCC) and colon cancer.

VALIDATION IMAGES



Blank control（black line）:Hela. Primary Antibody (green line): Rabbit Anti-CIP2A/p90 Autoantigen antibody (bs-5948R) Dilution:1ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (CIP2A/p90 Autoantigen) polyclonal Antibody, Unconjugated (bs-5948R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.