

bs-5760R**[Primary Antibody]****BioSS**
ANTIBODIES

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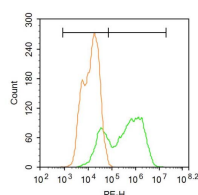
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PTPN13 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: Flow-Cyt (3ug/test)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)
GeneID: 5783	SWISS: Q12923	
Target: PTPN13		Predicted MW.: 273 kDa
Immunogen: KLH conjugated synthetic peptide derived from human FAP1/PTPN13: 801-900/2485.		Subcellular Location: Cytoplasm ,Nucleus
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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: PTPN13 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP is a large protein that possesses a PTP domain at C-terminus, and multiple noncatalytic domains, which include a domain with similarity to band 4.1 superfamily of cytoskeletal associated proteins, a region consisting of five PDZ domains, and a leucine zipper motif. This PTP was found to interact with, and dephosphorylate Fas receptor, as well as I-kappa-B-alpha through the PDZ domains, which suggested its role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathway.		

— VALIDATION IMAGES —

Blank control:A549. Primary Antibody (green line): Rabbit Anti-FAP1 antibody (bs-5760R)
Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 3µg /test. 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.

— SELECTED CITATIONS —

- **[IF=7.517]** Chia-Hao Huang. et al. Cell marathon: long-distance cell migration and metastasis-associated gene analysis

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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