

bs-11853R**[Primary Antibody]****HMX2 Rabbit pAb****BioSS**
ANTIBODIES

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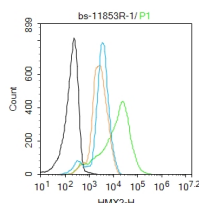
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 3167 Target: HMX2 Immunogen: KLH conjugated synthetic peptide derived from human HMX2: 122-200/273. 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: The homeobox DNA-binding domain is a 60 amino acid motif that is conserved among many species and functions to bind DNA via a helix-turn-helix structure, thereby playing a role in transcriptional regulation and the control of gene expression. HMX2 (H6 family homeobox 2), also known as H6L or Nkx5-2, is a 273 amino acid nuclear protein that belongs to the HMX homeobox family and contains one homeobox DNA-binding domain. HMX2 functions as a transcription factor that assists in specification of neuronal cell types and is essential for proper development of hypothalamus and inner ear. Hemizygous deletions of the gene encoding HMX2 are thought to lead to vestibular dysfunction, inner ear malformations and congenital sensorineural hearing loss.	Isotype: IgG SWISS: A2RU54 Applications: Flow-Cyt (1ug/Test) Reactivity: Human (predicted: Mouse, Rabbit, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 30 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Blank control:Hela. Primary Antibody (green line): Rabbit Anti-HMX2 antibody (bs-11853R)
 Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test.
 Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20min 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.