

For Research Use Only

HOPX Polyclonal antibody

Catalog Number: 11419-1-AP **9 Publications**



Basic Information

Catalog Number: 11419-1-AP	GenBank Accession Number: BC014225	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 260 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84525	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: HOP homeobox	
Isotype: IgG	Calculated MW: 73 aa, 8 kDa	
Immunogen Catalog Number: AG1979	Observed MW: 8-12 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: mouse lung tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

HOPX (Homeodomain-only protein) gene has various synonyms including HOD, HOP, OB1, LAGY and NECC1. The protein encoded by this gene is an unusual homeodomain protein that lacks certain conserved residues required for DNA binding. HOPX has diverse effects on cardiac growth. Manipulation of Hopx function in murine models is associated with cardiac hypertrophy, dilation and fibrosis. HOPX protein acts as an antagonist to the serum response factor (SRF), which regulates the opposing processes of cell proliferation and differentiation. Overexpression of HOPX causes cardiac hypertrophy. HOPX protein can inhibit SRF-dependent transcriptional activation by recruiting histone deacetylase (HDAC) activity.

Notable Publications

Author	Pubmed ID	Journal	Application
Madeline G Andrews	32876565	Elife	IF
Noreen Eder	32404936	Nat Commun	IHC,IF,WB
William K C Cheung	23707782	Cancer Cell	

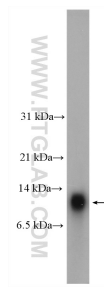
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 11419-1-AP (HOPX antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.