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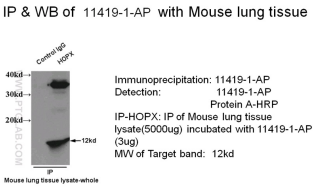
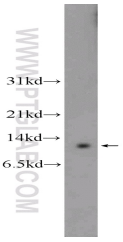
HOPX Polyclonal Antibody

Catalog number: 11419-1-AP
Size: 39 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
HOPX; CAMEO, HOD, Homeodomain only protein, HOP, HOP homeobox, HOPX, LAGY, NECC1, OB1, Odd homeobox protein 1, SMAP31, TOTO



IP result of HOPX antibody (11419-1-AP for IP and Detection) with mouse lung tissue lysate.



mouse lung tissue were subjected to SDS PAGE followed by western blot with 11419-1-AP(HOPX Antibody) at dilution of 1:600

Background

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.

Applications

Tested applications:	**ELISA, IP, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Caculated HOPX MW:	**73aa,8 kDa**
Observed HOPX MW:	**8-12kd**
Positive WB detected in	**Mouse lung tissue, human placenta tissue, rat lung tissue**
Positive IP detected in	**Mouse lung**
Recommended dilution:	**WB: 1:200-1:2000** **IP: 1:200-1:2000**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag1979**
GenBank accession number:	**BC014225**
Gene ID (NCBI):	**84525**
Full name:	**HOP homeobox**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**