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FOXF1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58036

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q12946
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40122
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOXF1
Epitope Specificity	285-379/379
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus (Probable).
SIMILARITY	Contains 1 fork-head DNA-binding domain.
DISEASE	Alveolar capillary dysplasia with misalignment of pulmonary veins (ACDMPV) [MIM:265380]: A rare developmental disorder characterized by abnormal development of the capillary vascular system in the lungs. Histological features include failure of formation and ingrowth of alveolar capillaries, medial muscular thickening of small pulmonary arterioles with muscularization of the intraacinar arterioles, thickened alveolar walls, and anomalously situated pulmonary veins running alongside pulmonary arterioles and sharing the same adventitial sheath. Less common features include a reduced number of alveoli and a patchy distribution of the histopathologic changes. Affected infants present with respiratory distress and the disease is fatal within the newborn period. Additional features include multiple congenital anomalies affecting the cardiovascular, gastrointestinal, genitourinary, and musculoskeletal systems, as well as disruption of the normal right-left asymmetry of intrathoracic or intraabdominal organs. ACDMPV is a rare cause of persistent pulmonary hypertension of the newborn, an abnormal physiologic state caused by failure of transition of the pulmonary circulation from the high pulmonary vascular resistance of the fetus to the low pulmonary vascular resistance of the newborn. Note=The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the regulation of pulmonary genes as well as embryonic development. [provided by RefSeq, Jul 2008]

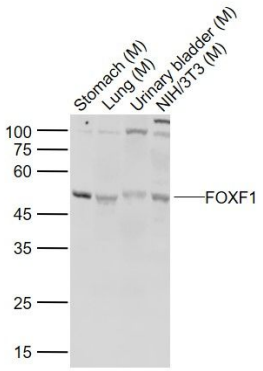
Additional Information

Gene ID	2294
Other Names	Forkhead box protein F1, Forkhead-related activator 1, FREAC-1, Forkhead-related protein FKHL5, Forkhead-related transcription factor 1, FOXF1, FKHL5, FREAC1
Target/Specificity	Expressed in lung and placenta.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FOXF1
Synonyms	FKHL5, FREAC1
Function	Probable transcription activator for a number of lung- specific genes.
Cellular Location	Nucleus.
Tissue Location	Expressed in lung and placenta.

Images



Sample:
Lane 1: Stomach (Mouse) Lysate at 40 ug
Lane 2: Lung (Mouse) Lysate at 40 ug
Lane 3: Urinary bladder (Mouse) Lysate at 40 ug
Lane 4: NIH/3T3 (Mouse) Cell Lysate at 30 ug
Primary: Anti-FOXF1 (AP58036) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kD
Observed band size: 50 kD