MESP2 Rabbit pAb

产品详情

产品货号	产品名称	储存条件	保质期
IM47918	MESP2 Rabbit pAb	-20℃	1 年

产品简介：

货号	IM47918
产品名称	MESP2 Rabbit pAb
别名	SCDO2;bHLHc6;MESP2_HUMAN;MESP2;Class C basic helix-loop-helix protein 6(bHLHc6)
抗体来源	Rabbit
克隆类型	Polyclonal
交叉反应	Rat(predicted:Human,Mouse,Dog)
产品应用	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 not yet tested in other applications.optimal dilutions/concentrations should be determined by the end user.
理论分子量	42kDa
细胞定位	细胞核
性状	Liquid
浓度	1mg/ml
免疫原	KLH conjugated synthetic peptide derived from human MESP2: 311-397/397.
亚型	IgG

纯化方法	Affinity purified by Protein A.
缓冲液	0.01M TBS(pH7.4)with 1% BSA,0.02% Proclin300 and 50% Glycerol.
产品介绍	This gene encodes a member of the bHLH family of transcription factors and plays a key role in defining the rostrocaudal patterning of somites via interactions with multiple Notch signaling pathways. This gene is expressed in the anterior presomitic mesoderm and is downregulated immediately after the formation of segmented somites. This gene also plays a role in the formation of epithelial somitic mesoderm and cardiac mesoderm.Mutations in the MESP2 gene cause autosomal recessive spondylocostal dystosis 2(SCD02).[provided by RefSeq,Oct 2008].
Function	Transcription factor with important role in somitogenesis.Defines the rostrocaudal patterning of the somite by participating in distinct Notch pathways.Regulates also the FGF signaling pathway. Specifies the rostral half of the somites.Generates rostro-caudal polarity of somites by down-regulating in the presumptive rostral domain DLL1,a Notch ligand.Participates in the segment border formation by activating in the anterior presomitic mesoderm LFNG, a negative regulator of DLL1-Notch signaling.Acts as a strong suppressor of Notch activity.Together with MESP1 is involved in the epithelialization of somitic mesoderm and in the development of cardiac mesoderm.
Subcellular Location	Nucleus.
Post-translational modifications	Degraded by the proteasome.

DISEASE	Defects in MESP2 are the cause of spondylocostal dysostosis type 2 (SCDO2)[MIM:608681]. An autosomal recessive condition of variable severity associated with vertebral and rib segmentation defects. The main skeletal malformations include fusion of vertebrae, hemivertebrae, fusion of certain ribs, and other rib malformations. Deformity of the chest and spine(severe scoliosis,kyphoscoliosis and lordosis)is a natural consequence of the malformation and leads to a dwarf-like appearance. As the thorax is small, infants frequently have respiratory insufficiency and repeated respiratory infections resulting in life-threatening complications in the first year of life.
Similarity	Contains 1 bHLH(basic helix-loop-helix)domain.
SWISS	Q0VG99
Gene ID	145873

储存与保存：

1.保存：-20℃
2.有效期：1年

注意事项：

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