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ATOH8 Rabbit pAb

货号: **AYP20736**

产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	WB: 1:500 - 1:2000
理论分子量	35kDa
实测分子量	35KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Mouse brain,Mouse kidney
细胞定位	cytoplasm,nuclear speck,nucleoplasm,nucleus
纯化	Affinity purification

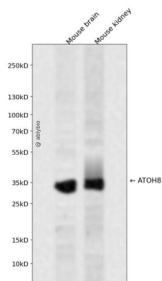
抗原信息

抗原信息	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human ATOH8 (NP_116216.2).
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靶点信息

研究背景	Transcription factor that binds a palindromic (canonical core consensus DNA sequence 5'-CANNTG- 3' known as an E-box element, possibly as a heterodimer with other bHLH proteins. Regulates endothelial cell proliferation, migration and tube-like structures formation. Modulates endothelial cell differentiation through NOS3. May be implicated in specification and differentiation of neuronal cell lineages in the brain (By similarity. May participate in kidney development and may be involved in podocyte differentiation (By similarity. During early embryonic development is involved in tissue-specific differentiation processes that are dependent on class II bHLH factors and namely modulates the differentiation program initiated by the pro-endocrine factor NEUROG3 (By similarity. During myogenesis, may play a role during the transition of myoblasts from the proliferative phase to the differentiation phase (By similarity. Positively regulates HAMP transcription in two ways, firstly by acting directly on the HAMP promoter via E-boxes binding and indirectly through increased phosphorylation of SMAD protein complex. Repress NEUROG3-dependent gene activation in a gene-specific manner through at least two mechanisms; requires only either the sequestering of a general partner such as TCF3 through heterodimerization, either also requires binding of the bHLH domain to DNA via a basic motif (By similarity.
基因ID	84913
基因名	ATOH8
Swiss	Q96SQ7 (https://www.uniprot.org/uniprotkb/Q96SQ7/entry)
别名	ATOH8,HATH6,bHLHa21,ATOH8 Rabbit pAb,Class A basic helix-loop-helix protein 21,Helix-loop-helix protein hATH-6,Protein atonal homolog 8,ATH6

产品验证



Western blot analysis of ATOH8 expressed in Mouse brain, Mouse kidney using ATOH8 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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