

产品名称: ETBR Rabbit Polyclonal Antibody

产品货号: APRab10644

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Rat,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
分子量(Molecular Weight)	50kDa

抗原信息(Antigen Information)

基因名(Gene Name)	EDNRB
别名(Alternative Names)	Endothelin B receptor (ET-B;ET-BR;Endothelin receptor non-selective type)
基因 ID(Gene ID)	1910.0
SwissProt ID	P24530
免疫原(Immunogen)	Synthesized peptide derived from ETBR at AA range: 31-80

研究背景 (Background)

The protein encoded by this gene is a G protein-coupled receptor which activates a phosphatidylinositol-calcium second messenger system. Its ligand, endothelin, consists of a family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin receptor type B gene.

Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016],disease:Defects in EDNRB are a cause of Waardenburg syndrome type IV (WS4) [MIM:277580]; also known as Waardenburg-Shah syndrome. WS4 is characterized by the association of Waardenburg features (depigmentation and deafness) and the absence of enteric ganglia in the distal part of the intestine (Hirschsprung disease),disease:Defects in EDNRB are the cause of ABCD syndrome (ABCDs) [MIM:600501]. ABCD syndrome is an autosomal recessive syndrome characterized by albinism, black lock at temporal occipital region, bilateral deafness, aganglionosis of the large intestine and total absence of neurocytes and nerve fibers in the small intestine.,disease:Defects in EDNRB are the cause of Hirschsprung disease type 2 (HSCR2) [MIM:600155]; also known as aganglionic megacolon (MGC). It is a congenital disorder characterized by absence of enteric ganglia along a variable length of the intestine. It is the most common cause of congenital intestinal obstruction. Early symptoms range from complete acute neonatal obstruction, characterized by vomiting, abdominal distention and failure to pass stool, to chronic constipation in the older child.,function:Non-specific receptor for endothelin 1, 2, and 3. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.,PTM:Palmitoylation of Cys-402 was confirmed by the palmitoylation of Cys-402 in a deletion mutant lacking both Cys-403 and Cys-405.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells.,

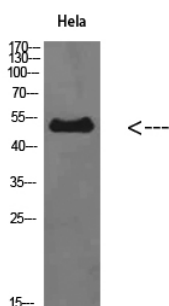
研究领域 (Research Area)

Calcium;Neuroactive ligand-receptor interaction;Melanogenesis;

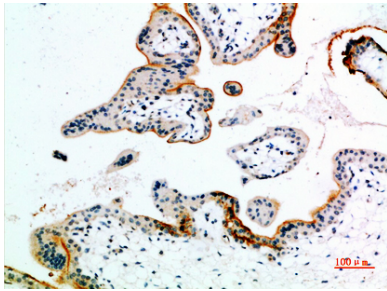
注意事项 (Note)

For research use only.

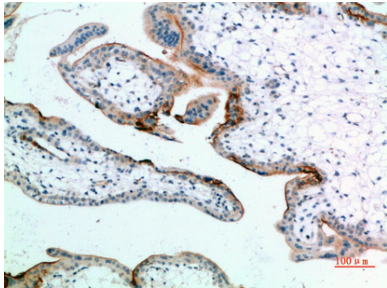
图片 (Image Data)



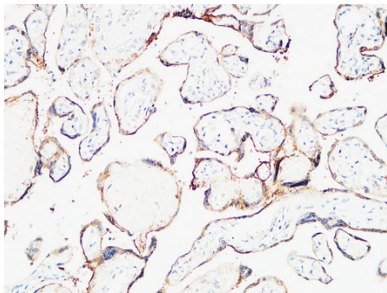
Western Blot analysis of HeLa cells using ETBR Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



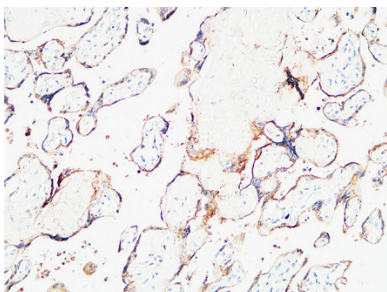
Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200



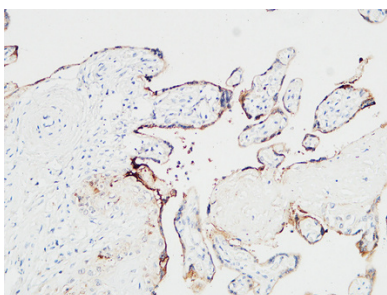
Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded Human placenta. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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EnkiLife 优势产品推荐

产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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