ETBR Rabbit pAb

CatalogNo: YT5786

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse,

Applications
- WB,IHC,IF,ELISA

MW
- 50kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

IHC: 100-300
WB 1:500-2000
ELISA 1:10000-20000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from ETBR at AA range: 31-80
Specificity	ETBR Polyclonal Antibody detects endogenous levels of ETBR

Target Information

Gene name EDNRB

Protein Name ETBR

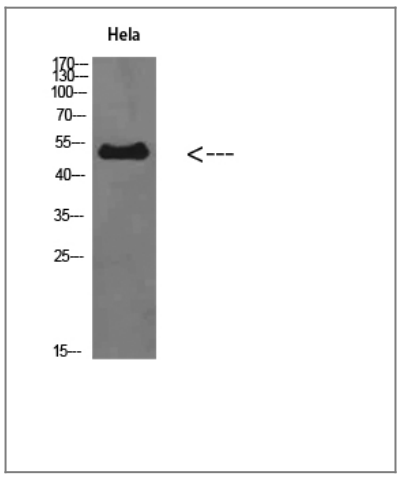
Organism	Gene ID	UniProt ID
Human	1910;	P24530;
Mouse	13618;	P48302;

Cellular Localization Cell membrane ; Multi-pass membrane protein. internalized after activation by endothelins. .

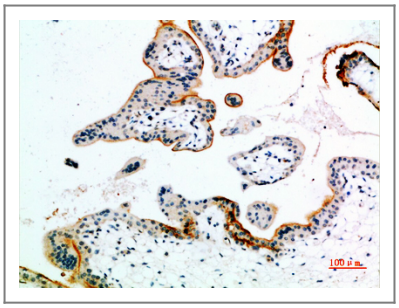
Tissue specificity Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells.

Function 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.,

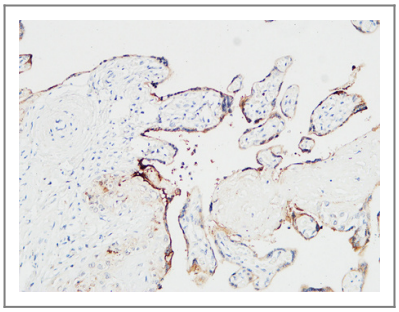
Validation Data



Western Blot analysis of Hela cells using ETBR Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) 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. 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).

Contact information

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Please scan the QR code to access additional product information:
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