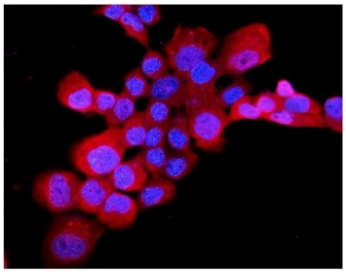
EDNRB Antibody (R32027)

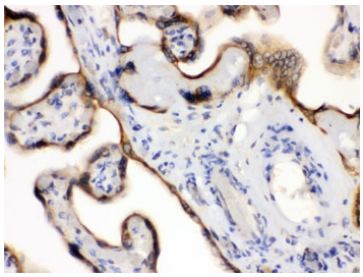
Catalog No.	Formulation	Size
R32027	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

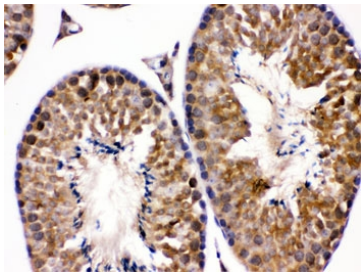
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P24530
Localization	Cytoplasmic, membrane
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunofluorescence (FFPE): 2-4ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This EDNRB antibody is available for research use only.



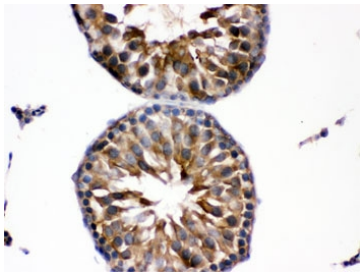
Immunofluorescent staining of FFPE human A431 cells with EDNRB antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



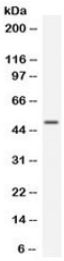
IHC testing of FFPE human placenta with EDNRB antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



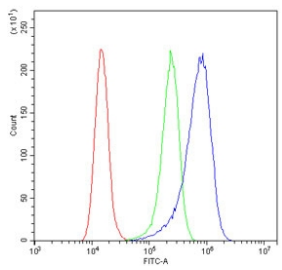
IHC testing of FFPE mouse testis with EDNRB antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat testis with EDNRB antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Western blot testing of human HeLa lysate with EDNRB antibody. Expected molecular weight of EDNRB is ~49â€“59 kDa (predicted), but the receptor consistently migrates around ~45 kDa on SDS-PAGE, often appearing as a single or doublet band depending on glycosylation state. This pattern is well-documented in peer-reviewed studies.



Flow cytometry testing of human A431 cells with EDNRB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= EDNRB antibody.

Description

Endothelin receptor type B, also known as ETB, is a protein that in humans is encoded by the EDNRB gene. 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the EDNRB antibody should be determined by the researcher.

Immunogen

Amino acids QSFEEKQSLEEKQSCLKFKANDHGYDNFRSSNKY of human EDNRB were used as the immunogen for the EDNRB antibody.

Storage

After reconstitution, the EDNRB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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