

Anti-EDN3 antibody ab197374

2 Images

Overview

Product name	Anti-EDN3 antibody
Description	Rabbit polyclonal to EDN3
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>Fusion protein within Human EDN3 aa 1 to the C-terminus (internal sequence). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements. The identity of the protein fusion partner is GST.</p> <p>Database link: <u>P14138</u></p>
Positive control	Human esophagus and thyroid cancer tissue
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab197374 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/25 - 1/100.

Target

Function

Endothelins are endothelium-derived vasoconstrictor peptides.

Tissue specificity

Expressed in trophoblasts and placental stem villi vessels, but not in cultured placental smooth muscle cells.

Involvement in disease

Defects in EDN3 are the cause of Hirschsprung disease type 4 (HSCR4) [MIM:613712]; also known as aganglionic megacolon (MGC). A genetic disorder of neural crest development characterized by the absence of intramural ganglion cells in the hindgut; often resulting in intestinal obstruction.

Defects in EDN3 are a cause of congenital central hypoventilation syndrome (CCHS) [MIM:209880]; also known as congenital failure of autonomic control or Ondine curse. CCHS is a rare disorder characterized by abnormal control of respiration in the absence of neuromuscular or lung disease, or an identifiable brain stem lesion. A deficiency in autonomic control of respiration results in inadequate or negligible ventilatory and arousal responses to hypercapnia and hypoxemia.

Defects in EDN3 are a cause of Waardenburg syndrome type 4 (WS4B) [MIM:613265]; also known as Waardenburg-Shah syndrome. WS4B 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).

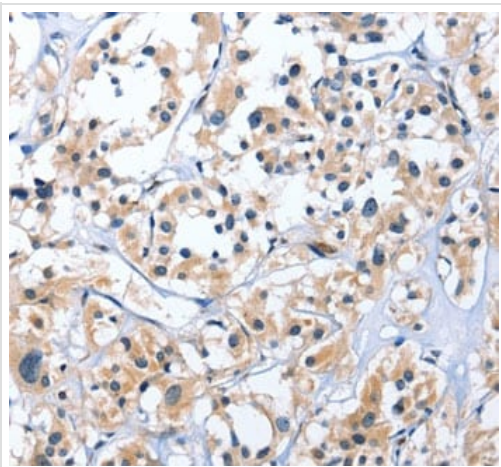
Sequence similarities

Belongs to the endothelin/sarafotoxin family.

Cellular localization

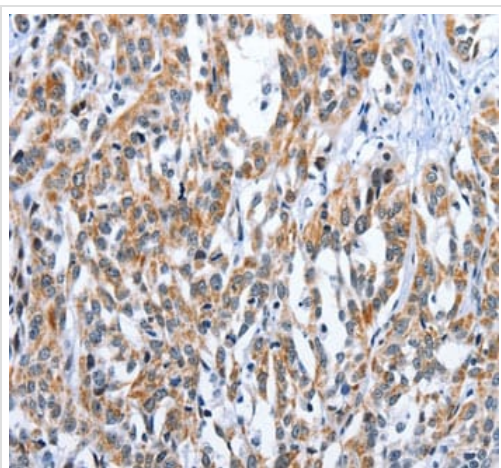
Secreted.

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue, labeling EDN3 with ab197374 at 1/30 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EDN3 antibody (ab197374)



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue, labeling EDN3 with ab197374 at 1/30 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EDN3 antibody (ab197374)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors