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Datasheet for ABIN5002172

## anti-Endothelin 2 antibody (AA 49-59) (Alexa Fluor 680)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | Endothelin 2 (EDN2)   |
| Binding Specificity: | AA 49-59  |
| Reactivity:          | Cat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This Endothelin 2 antibody is conjugated to Alexa Fluor 680   |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Endolin 2 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Cat   |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Cat,Rabbit                            |
| Purification:         | Purified by Protein A.  |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | Endothelin 2 (EDN2)                                 |
| Alternative Name: | ET-2/Endothelin 2 ( <a href="#">EDN2 Products</a> ) |

## Target Details

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|             |  |
|-------------|--|
| Background: | <p>Synonyms: EDN2, EDN2_HUMAN, Endothelin 2, Endothelin-2, ET 2, ET-2, ET2, PPET2, Preproendothelin 2, Preproendothelin-2.</p> <p>Background: The endothelin (ET) family of proteins, which includes ET-1 (endothelin-1), ET-2 (endothelin-2) and ET-3 (endothelin-3), are vasoactive peptides that are involved in various functions throughout the body. Endothelins can affect the central nervous system and neuronal excitability, and they elicit potent vasoconstrictor action. While ET-1 is a potent, 21-amino acid vasoconstrictor peptide, ET-2 has the most potent vasoconstrictor activity. ET-3 functions as a ligand for endothelin receptor type B (ETBR) and, through this interaction, mediates the maturation of enteric neurons and melanocytes. Although ET-3 is expressed as a 238 amino acid peptide, it is post-translationally modified to produce a short active isoform and a long inactive isoform. Defects in the gene encoding ET-3 are the cause of a variety of disorders, including Hirschsprung disease type 1 (HSCR1), congenital central hypoventilation syndrome (CCHS) and Waardenburg syndrome type IV (WS4).</p> |
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|-----------|--|
| Pathways: | <a href="#">Hormone Activity</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> |
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## Application Details

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| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
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|---------------|-----------------------|
| Restrictions: | For Research Use only |
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## Handling

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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |

## Handling

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Expiry Date: 12 months