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Datasheet for ABIN2812949

anti-Endothelin 2 antibody (AA 49-59) (Alexa Fluor 594)

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 594
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 (EDN2 Products)

Target Details

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>
Pathways:	<p>Hormone Activity, Negative Regulation of Hormone Secretion, Regulation of Systemic Arterial Blood Pressure by Hormones</p>

Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	<p>For Research Use only</p>

Handling

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

Handling

Expiry Date: 12 months