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Datasheet for ABIN1392358

anti-GUCA2A antibody (AA 22-115) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	GUCA2A
Binding Specificity:	AA 22-115
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GUCA2A antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Guanylin
Isotype:	IgG
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GUCA2A
Alternative Name:	Guanylin (GUCA2A Products)
Background:	Synonyms: Gapl, GCAP-I, Guanylate cyclase activating protein 1, Guanylate cyclase activator 2A

Target Details

guanylin 2 intestinal heat-stable, Guanylate cyclase activator 2A, Guanylate cyclase-activating protein 1, Guanylate cyclase-activating protein I, Guanylin, GUC2A_HUMAN, GUCA 2, GUCA2, GUCA2A, STARA.

Background: The family of guanylin regulatory peptides, including guanylin and uroguanylin, are strongly expressed in intestinal mucosa and regulate intestinal fluid secretion during digestion. Guanylins are also involved in acid neutralization and the regulation of membrane-bound guanylate cyclase signaling molecules. Guanylin and uroguanylin are secreted primarily in the stomach, intestine, and colon. Guanylin is also detected in plasma. Guanylin is an endogenous activator of intestinal guanylate cyclase. It stimulates intestinal guanylate cyclase through the same receptor binding region as the heat-stable enterotoxins. Gut enterochromaffin cells synthesize guanylin to be a prohormone of 115 amino acids which is then is processed to the molecular form of 94 amino acids. This 10 kDa form is found circulating in the blood.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

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.

Expiry Date: 12 months