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Datasheet for ABIN1392362
anti-GUCA2A antibody (AA 22-115) (FITC)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | GUCA2A |
| Binding Specificity: | AA 22-115 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GUCA2A antibody is conjugated to FITC |
| 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: Gapi, 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