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Datasheet for ABIN1724787

anti-GUCY1A1 antibody (AA 22-214)

8 Images

2 Publications

Overview

Quantity:	100 µL
Target:	GUCY1A1
Binding Specificity:	AA 22-214
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GUCY1A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human GUCY1A3 (AA: 22-214) expressed in E. coli.
Clone:	3G6B2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GUCY1A1
Alternative Name:	GUCY1A3 (GUCY1A1 Products)
Background:	Description: Soluble guanylate cyclases are heterodimeric proteins that catalyze the conversion

Target Details

of GTP to 3',5'-cyclic GMP and pyrophosphate. The protein encoded by this gene is an alpha subunit of this complex and it interacts with a beta subunit to form the guanylate cyclase enzyme, which is activated by nitric oxide. Several transcript variants encoding a few different isoforms have been found for this gene. , , ,

Aliases: GUCA3, GC-SA3, GUC1A3, GUCSA3, GUCY1A1

Molecular Weight: 77.5 kDa

Gene ID: 2982

HGNC: 2982

Pathways: [Myometrial Relaxation and Contraction](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

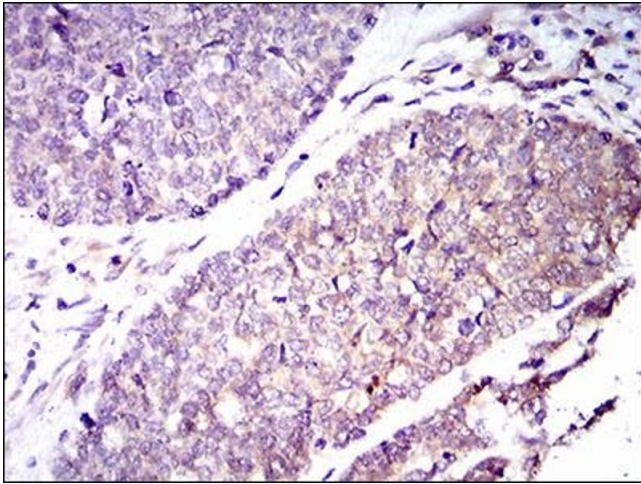
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

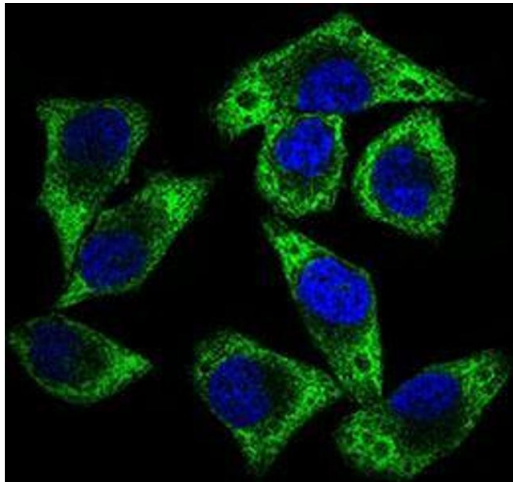
Product cited in: Galati, Magdinier, Colasanti, Bauwens, Pinte, Ricordy, Giraud-Panis, Pusch, Savino, Cacchione, Gilson: "TRF2 controls telomeric nucleosome organization in a cell cycle phase-dependent manner." in: **PLoS ONE**, Vol. 7, Issue 4, pp. e34386, (2012) ([PubMed](#)).

Diehl, Idowu, Kimmelshue, York, Jackson-Cook, Turner, Holt, Elmore: "Elevated TRF2 in advanced breast cancers with short telomeres." in: **Breast cancer research and treatment**, Vol. 127, Issue 3, pp. 623-30, (2011) ([PubMed](#)).



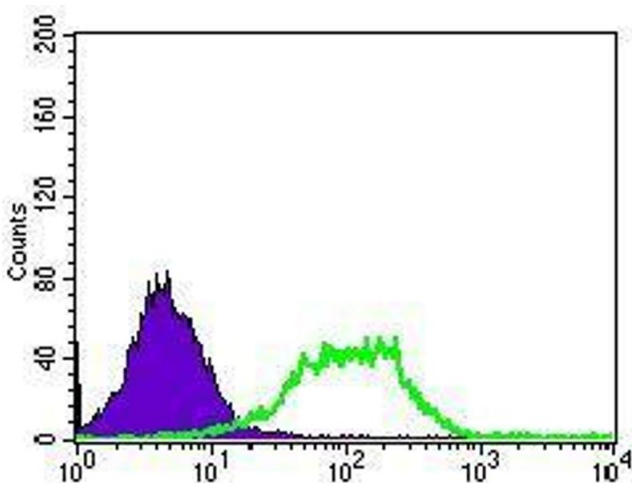
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using GUCY1A3 mouse mAb with DAB staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of HepG2 cells using GUCY1A3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Image 3. Flow cytometric analysis of HEK293 cells using GUCY1A3 mouse mAb (green) and negative control (purple).

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN1724787.