

Datasheet for ABIN6139304
anti-Cytochrome C antibody (AA 1-105)

11 Images

1 Publication



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Overview

Quantity:	100 µL
Target:	Cytochrome C (CYCS)
Binding Specificity:	AA 1-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytochrome C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-105 of human Cytochrome C (NP_061820.1).
Sequence:	MGDVEKGKKI FIMKCSQCHT VEKGGKHKHTG PNLHGLFGRK TGQAPGYSYT AANKNKGIW GEDTLMEYLE NPKKYIPGTK MIFVGIKKKE ERADLIAYLK KATNE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Cytochrome C (CYCS)
Alternative Name:	CYCS (CYCS Products)
Background:	<p>This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia.</p> <p>Numerous processed pseudogenes of this gene are found throughout the human genome.,CYCS,CYC,HCS,THC4,cytochrome c,Cancer,Invasion and Metastasis,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Death Receptor Signaling Pathway,Endocrine & Metabolism,Mitochondrial metabolism,Cytochromes,Mitochondrial markers,Oxidative phosphorylation,Lipid Metabolism,Cytochromes,Lipases,Neuroscience,Neurodegenerative Diseases,Cardiovascular,Lipids,CYCS</p>
Molecular Weight:	11 kDa
Gene ID:	54205
UniProt:	P99999
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

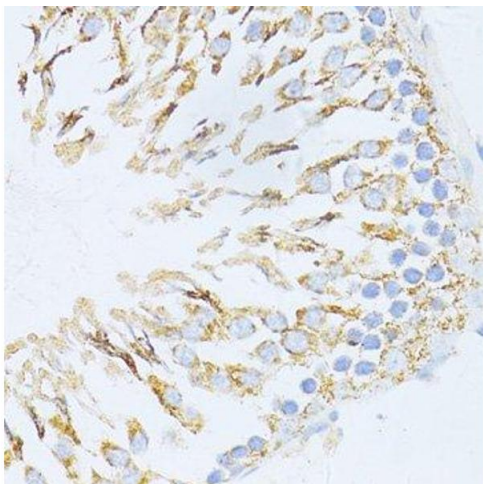
Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

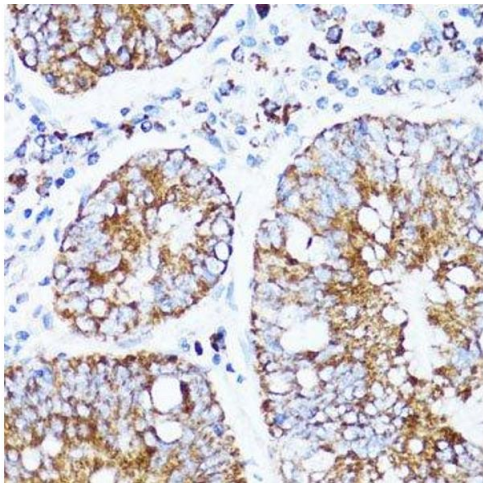
Product cited in: Han, Cao, Gao, Wang, Chen, Cai, Zhang, Hu, Ma, Gu, Ding: "ZIC1 acts a tumor suppressor in breast cancer by targeting survivin." in: **International journal of oncology**, Vol. 53, Issue 3, pp. 937-948, (2018) ([PubMed](#)).

Images



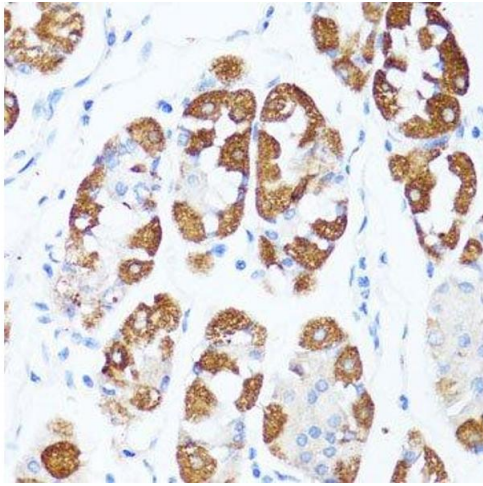
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded rat testis using CYCS antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human colon carcinoma using CYCS antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human stomach using CYCS antibody.

Please check the [product details page](#) for more images. Overall 11 images are available for ABIN6139304.