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Datasheet for ABIN917714

anti-DNAJA3 antibody (AA 101-200) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	DNAJA3
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAJA3 antibody is conjugated to Alexa Fluor 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TID1/HCA57
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DNAJA3
Alternative Name:	HCA57 (DNAJA3 Products)
Background:	Synonyms: DnaJ Hsp40 homolog subfamily A member 3, DnaJ homolog subfamily A member

Target Details

3 mitochondrial precursor, DnaJ protein Tid 1, DnaJ protein Tid1, HCA57, Hepatocellular carcinoma associated antigen 57, Highly similar to HYPOTHETICAL 105.9 KD PROTEIN F22B7.5 IN CHROMOSOME, hTid 1, hTid1, III [Caenorhabditis elegans], TID1, Tumorous imaginal discs Drosophila homolog, Tumorous imaginal discs protein Tid56 homolog, DNJA3_HUMAN.

Background: TID1 is a human homolog of the Drosophila tumor suppressor lethal tumorous imaginal discs and encodes two mitochondrial matrix localized splice variants of human Tid1 designated hTid1S and hTid1L. These proteins are the conserved members of the DnaJ family of proteins which act as cochaperons for mitochondrial Hsp70. They contain a conserved tetrahedral J domain which binds to Hsp70 chaperones and activates their ATPase activity. Expression of hTid1L increases apoptosis induced by DNA damaging agents as mitomycin C and TNF alpha. A J domain mutant of hTid1L can dominantly suppress apoptosis and in sharp contrast the J domain mutant of hTid1S increases apoptosis. Expression of hTid1S and hTid1L affects cytochrome c release from the mitochondria and caspase 3 activation, while activation of caspase 8 is unaffected. It is strongly suggested that these two splice variants exert their anti and pro apoptotic effects through discrete substrates and activities. Hence the relative abundance of these proteins or their substrates may allow the mitochondria to dampen or enhance the apoptotic signals.

Gene ID:	9093
Pathways:	Synaptic Membrane , Skeletal Muscle Fiber Development , Positive Regulation of Endopeptidase Activity

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.

Handling

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