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Datasheet for ABIN6981432

anti-HIRA antibody (AA 251-350) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	HIRA
Binding Specificity:	AA 251-350
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIRA antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HIRA/DGGR1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HIRA
Alternative Name:	HIRA (HIRA Products)

Target Details

Background: Synonyms: DGCR1, DGGR 1, DGGR1, DiGeorge critical region gene 1, HIR, HIR histone cell cycle regulation defective homolog A, HIRA, HIRA protein, HIRA_HUMAN, Protein HIRA, TUP 1, TUP1, TUP1 like enhancer of split protein 1, TUP1-like enhancer of split protein 1, TUPLE 1, TUPLE1.

Background: The HIRA gene encodes a histone chaperone that preferentially places the variant histone H3.3 in nucleosomes. Orthologs of this gene in flies, yeast and plants are necessary for the formation of transcriptionally silent heterochromatin. This gene plays an important role in the formation of the senescence-associated heterochromatin foci. These foci likely mediate the irreversible cell cycle changes that occur in senescent cells. It is considered the primary candidate gene in some haploinsufficiency syndromes such as DiGeorge syndrome, and insufficient production of the gene may disrupt normal embryonic development.

Gene ID: 7290

Pathways: [Chromatin Binding](#)

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