Datasheet for ABIN932202

anti-HIRA antibody

2 Images

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Overview

Quantity:	100 µg
Target:	HIRA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HIRA antibody is un-conjugated
Application:	Immunocytochemistry (ICC), Dot Blot (DB)

Product Details

Immunogen:	TUPLE1 antibody was raised in mouse using recombinant H.Sapiens Tup1-Like Enhancer Of Split Gene 1 (Tuple1)
Clone:	374C6a
Isotype:	IgG2a
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	HIRA
Alternative Name:	TUPLE1 (HIRA Products)

Target Details

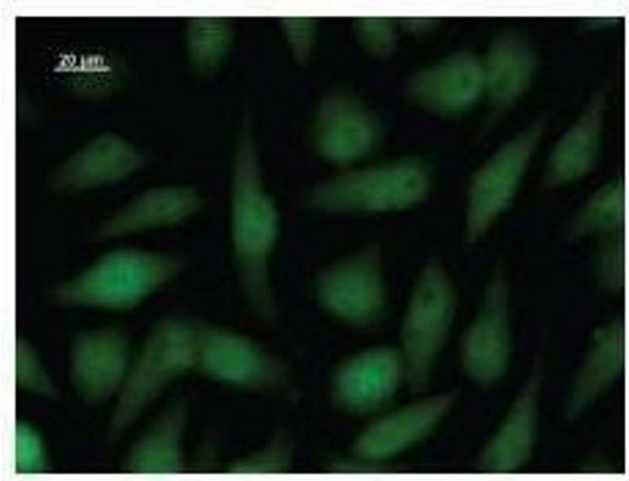
Background:	This gene encodes a histone chaperone that preferentially places the variant histone H3.3 in nucleosomes. Orthologs of this gene in yeast, flies, and plants are necessary for the formation of transcriptionally silent heterochomatin. This gene plays an important role in the formation of the 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. Synonyms: Monoclonal TUPLE1 antibody, Anti-TUPLE1 antibody, TUP1-like enhancer of split protein 1 antibody.
Pathways:	Chromatin Binding

Application Details

Application Notes:	ICC: 2-100 µg/mL Optimal conditions should be determined by the investigator.
Restrictions:	For Research Use only

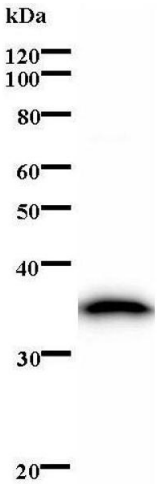
Handling

Concentration:	Lot specific
Buffer:	TUPLE1 antibody in PBS (3.0 mM KCl, 1.5 mM KH2 PO4 , 140 mM NaCl, 8.0 mM Na2 HPO4 (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN3).
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



Immunofluorescence

Image 1. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-TUPLE1 antibody.



Western Blotting

Image 2.