Datasheet for ABIN6971735

anti-HIRA antibody (AA 421-729)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	HIRA
Binding Specificity:	AA 421-729
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HIRA antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	This HIRA antibody was raised against a GST-fusion protein containing residues 421-729 of human HIRA.
Clone:	WC15
Isotype:	IgG
Characteristics:	HIRA (DGCR1, TUP1) is a histone chaperone that preferentially places the variant Histone H3.3 in nucleosomes, replacing canonical Histone H3 during the cell cycle. HIRA is required for the periodic repression of histone gene transcription during the cell cycle and when complexed with ASF1a is involved in the formation of the senescence-associated heterochromatin foci. HIRA antibody (mAb) (Clone WC15) was raised in a Mouse host. It has been validated for use in Immunoprecipitation and Western blot, it has been shown to react with Human and Mouse samples.

Product Details

Purification:	Protein G Chromatography

Target Details

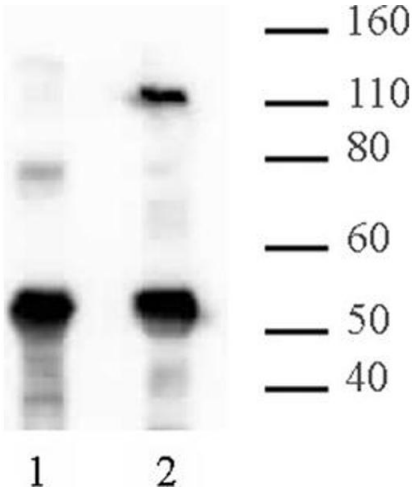
Target:	HIRA
Alternative Name:	HIRA (HIRA Products)
Molecular Weight:	120 kDa
NCBI Accession:	NP_003316
Pathways:	Chromatin Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % 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:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. HIRA mAb (Clone WC15) tested by Western blot. 5 µg of HIRA mAb (Clone WC15) was used to immunoprecipitate HIRA from 500 µg of colcemid-treated U2OS nuclear extract (lane 2). 5 µg of control mouse IgG was also used (lane 1). The immunoprecipitated protein was detected by Western blotting using HIRA mAb (Clone WC119.2H11) at a dilution of 5 µg/ ml.