

Recombinant Anti-HIRA Rabbit mAb

Catalog # AP95283

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	P54198
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	111835

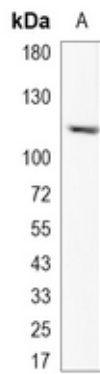
Additional Information

Gene ID	7290
Other Names	DGCR1; HIR; TUPLE1; Protein HIRA; TUP1-like enhancer of split protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human HIRA protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

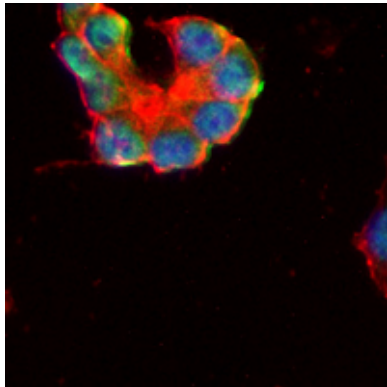
Protein Information

Name	HIRA
Synonyms	DGCR1, HIR, TUPLE1
Function	Cooperates with ASF1A to promote replication-independent chromatin assembly. Required for the periodic repression of histone gene transcription during the cell cycle. Required for the formation of senescence-associated heterochromatin foci (SAHF) and efficient senescence-associated cell cycle exit.
Cellular Location	Nucleus. Nucleus, PML body. Note=Primarily, though not exclusively, localized to the nucleus. Localizes to PML bodies immediately prior to onset of senescence
Tissue Location	Expressed at high levels in kidney, pancreas and skeletal muscle and at lower levels in brain, heart, liver, lung, and placenta.

Images



Western blot analysis of HIRA expression in HeLa (A) whole cell lysates. (Predicted band size: 112 kD; Observed band size: 112 kD)



Immunofluorescent analysis of HIRA staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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