

## **HIRA Polyclonal Antibody**

Catalog No: YT2138

**Reactivity:** Human; Mouse

**Applications:** IHC;IF;ELISA

Target: HIRA

Gene Name: HIRA

Protein Name: Protein HIRA

Human Gene Id: 7290

**Human Swiss Prot** 

No:

Mouse Gene ld: 15260

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

HIRA. AA range:521-570

P54198

Q61666

**Specificity:** HIRA Polyclonal Antibody detects endogenous levels of HIRA protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

1/2

Molecularweight: 112kD

**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. [provided by RefSeq, Jul 2008],

**Function:** 

developmental stage:Expressed during embryogenesis., disease:May play a part in the etiology of the DiGeorge syndrome (DGS), a developmental disorder due to an abnormal development of the third and fourth pharyngeal pouches. The clinical features include absence or hypoplasia of the thymus and parathyroid glands, cardiovascular malformations, facial dysplasia, a cleft palate and mental retardation., 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., PTM:Phosphorylated by CDK2/CCNA1 and CDK2/CCNE1 on Thr-555 in vitro. Also phosphorylated on Thr-555 and Ser-687 in vivo., PTM:Sumoylated., similarity:Belongs to the WD repeat HIR1 family., simi

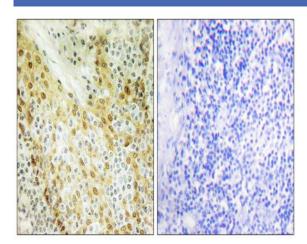
Subcellular Location:

Nucleus. Nucleus, PML body. Primarily, though not exclusively, localized to the nucleus. Localizes to PML bodies immediately prior to onset of senescence.

**Expression:** 

Expressed at high levels in kidney, pancreas and skeletal muscle and at lower levels in brain, heart, liver, lung, and placenta.

## **Products Images**



Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using HIRA Antibody. The picture on the right is blocked with the synthesized peptide.