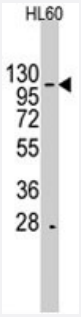
HIRA polyclonal antibody

Catalog # PAB4861 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HIRA polyclonal antibody (Cat # PAB4861) in HL-60 cell lysate (35 ug/lane). HIRA (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HIRA.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human HIRA.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of HIRA polyclonal antibody (Cat # PAB4861) in HL-60 cell lysate (35 ug/lane). HIRA (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

Gene Info — HIRA

Entrez GeneID	7290
Protein Accession#	NP_003316;P54198
Gene Name	HIRA
Gene Alias	DGCR1, TUP1, TUPLE1
Gene Description	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)
Omim ID	600237
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a histone chaperone that preferentially places the variant histone H3.3 in nucle osomes. Orthologs of this gene in yeast, flies, and plants are necessary for the formation of transc riptionally silent heterochomatin. This gene plays an important role in the formation of the senesce nce-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 haploinsufficien cy syndromes such as DiGeorge syndrome, and insufficient production of the gene may disrupt n ormal embryonic development. [provided by RefSeq
Other Designations	DiGeorge critical region gene 1|HIR histone cell cycle regulation defective homolog A

Publication Reference

- Molecular dissection of formation of senescence-associated heterochromatin foci.

  Zhang R, Chen W, Adams PD.

  Molecular and Cellular Biology 2007 Mar; 27(6):2343.

  Application: IF, Human, WI-38 cells

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- Structure of a human ASF1a-HIRA complex and insights into specificity of histone chaperone complex assembly.

  Tang Y, Poustovoitov MV, Zhao K, Garfinkel M, Canutescu A, Dunbrack R, Adams PD, Marmorstein R.

  Nature Structural & Molecular Biology 2006 Oct; 13(10):921.

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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