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Rabbit Anti-HIRIP3/PE Conjugated antibody

SL12269R-PE

Product Name	Anti-HIRIP3/PE
Chinese Name	PE 标记的 HIRA 相互作用蛋白 3 抗体
Alias	HIRA-interacting protein 3; HIRIP3; HIRA interacting protein 3; HIRP3; HIRP3_HUMAN.
Research Area	Cardiovascular Developmental biology Stem cells Kinases and Phosphatases Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	62kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HIRIP3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** The HIRA protein shares sequence similarity with Hir1p and Hir2p, the two corepressors of histone gene transcription characterized in the yeast, Saccharomyces cerevisiae. The structural features of the HIRA protein suggest that it may function as part of a multiprotein complex. Several cDNAs encoding HIRA-interacting proteins, or HIRIPs, have been identified. In vitro, the protein encoded by this gene binds HIRA, as well as H2B and H3 core

histones, indicating that a complex containing HIRA-HIRIP3 could function in some aspects of chromatin and histone metabolism. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Aug 2011].

Function:
HIRIP3 (HIRA-interacting protein 3) is a novel gene product that was identified from its HIRA-binding properties. In vitro, HIRIP3 directly interacts with HIRA but also with core histones H2B and H3, suggesting that a HIRA-HIRIP3-containing complex could function in some aspects of chromatin and histone metabolism.

Subunit:
Interacts with HIRA. Weak interaction with histones H2B and H3. Interacts with CK2.

Subcellular Location:
Nucleus.

Tissue Specificity:
Widely expressed. Isoform 1 is predominant in skeletal muscle. Isoform 2 is predominant in liver and heart.

Post-translational modifications:
Phosphorylated by CK2.

Database links:
UniProtKB/Swiss-Prot: Q9BW71.3

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.