HIRA (Phospho Thr555) Rabbit pAb

CatalogNo: YP1186

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC,IF,ELISA

MW
- 112kD (Calculated)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:10000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human HIRA around the phosphorylation site of Thr555. AA range:521-570

Specificity	Phospho-HIRA (T555) Polyclonal Antibody detects endogenous levels of HIRA protein only when phosphorylated at T555.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):LTtPS

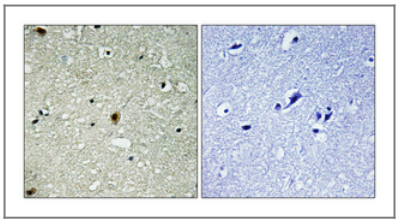
Target Information

Gene name	HIRA
Protein Name	Protein HIRA

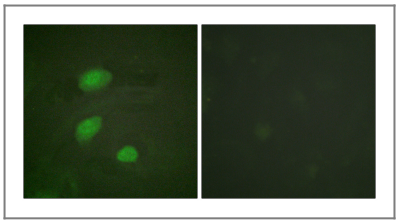
Organism	Gene ID	UniProt ID
Human	7290;	P54198;
Mouse	15260;	Q61666;

Cellular Localization	Nucleus. Nucleus , PML body. Primarily , though not exclusively , localized to the nucleus. Localizes to PML bodies immediately prior to onset of senescence.
Tissue specificity	Expressed at high levels in kidney , pancreas and skeletal muscle and at lower levels in brain , heart , liver , lung , and placenta.
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. ,similarity:Contains 8 WD repeats. ,subcellular location:Primarily , though not exclusively , localized to the nucleus. Localizes to PML bodies immediately prior to onset of senescence. ,subunit:Interacts with histone H3F3B , PAX3 and PAX7 (By similarity) . Interacts with CCNA1 , HIRIP3 , NFU1/HIRIP5 and histone H2B. Part of a complex which includes ASF1A , CABIN1 , histone H3.3 , histone H4 and UBN1. ,tissue specificity:Expressed at high levels in kidney , pancreas and skeletal muscle and at lower levels in brain , heart , liver , lung , and placenta. ,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4℃ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HeLa cells, using HIRA (Phospho-Thr555) Antibody. The picture on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
HIRA (Phospho Thr555) Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Antibody | ELISA Kits | Protein | Reagents