



Rabbit Anti-SHPRH antibody

SL6104R

Product Name:	SHPRH
Chinese Name:	组蛋白连接作用蛋白抗体
Alias:	E3 ubiquitin-protein ligase SHPRH; histone-linker; PHD and RING finger domain-containing helicase; SNF2; SNF2 histone linker PHD RING helicase; SHPRH HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	193kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SHPRH:401-500/1683
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	SHPRH is a ubiquitously expressed protein that contains motifs characteristics of several DNA repair proteins, transcription factors, and helicases. SHPRH is a functional homolog of <i>S. cerevisiae</i> RAD5 Function:

E3 ubiquitin-protein ligase involved in DNA repair. Upon genotoxic stress, accepts ubiquitin from the UBE2N-UBE2V2 E2 complex and transfers it to 'Lys-164' of PCNA which had been monoubiquitinated by UBE2A/B-RAD18, promoting the formation of non-canonical poly-ubiquitin chains linked through 'Lys-63'.

Subunit:

Homodimer. Interacts with HLTF, PCNA, UBE2N and RAD18.

Tissue Specificity:

Broadly expressed.

Similarity:

Belongs to the SNF2/RAD54 helicase family.

Contains 1 H15 (linker histone H1/H5 globular) domain.

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

Contains 1 PHD-type zinc finger.

Contains 1 RING-type zinc finger.

SWISS:

Q149N8

Gene ID:

257218

Database links:

[Entrez Gene: 257218](#)Human

[Omim: 608048](#)Human

[SwissProt: Q149N8](#)Human

[Unigene: 723297](#)Human

Important Note:

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