

HELLS Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58361**Specification**

HELLS Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NRZ9
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SMARCA6/HELLS
Epitope Specificity	451-550/838
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus (By similarity). Note=Closely associated with pericentric heterochromatin (By similarity).
SIMILARITY	Belongs to the SNF2/RAD54 helicase family. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

SMARCA6 gene encodes a lymphoid-specific helicase. Other helicases function in processes involving DNA strand separation, including replication, repair, recombination, and transcription. This protein is thought to be involved with cellular proliferation and may play a role in leukemogenesis.

HELLS Polyclonal Antibody - Additional Information**Gene ID** 3070**Other Names**

Lymphoid-specific helicase, 3.6.4.-, Proliferation-associated SNF2-like protein, SWI/SNF2-related matrix-associated actin-dependent regulator of chromatin subfamily A member 6, HELLS (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4861)

Target/Specificity

Highly expressed in proliferative tissues such as adult thymus and testis, and expressed at lower levels in uterus, small intestine, colon, and peripheral blood mononuclear cells. Also expressed in neoplastic cell lines including those derived from myeloid and lymphoid leukemias.

Dilution

IHC-P~N/A
IHC-F~N/A
IF~1:50~200
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

HELLS Polyclonal Antibody - Protein Information

Name HELLS ([HGNC:4861](#))

Function

Plays an essential role in normal development and survival. Involved in regulation of the expansion or survival of lymphoid cells. Required for de novo or maintenance DNA methylation. May control silencing of the imprinted CDKN1C gene through DNA methylation. May play a role in formation and organization of heterochromatin, implying a functional role in the regulation of transcription and mitosis (By similarity).

Cellular Location

Nucleus. Note=Closely associated with pericentric heterochromatin.

Tissue Location

Highly expressed in proliferative tissues such as adult thymus and testis, and expressed at lower levels in uterus, small intestine, colon, and peripheral blood mononuclear cells. Also expressed in neoplastic cell lines including those derived from myeloid and lymphoid leukemias.

HELLS Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HELLS Polyclonal Antibody - Images