SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-DERP6 antibody

SL9638R

Product Name:	DERP6
Chinese Name:	表皮乳头源性蛋白6抗体
Alias:	MST071; MSTP071; chromosome 17 open reading frame 81; Dermal papilla derived protein 6; dermal papilla-derived protein 6; DERP6; HSPC002; S phase 2 protein; ELP5_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	35kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DERP6/C17orf81:221-316/316
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:	DERP6, is a 316 amino acid protein that localizes to the cytoplasm and exists as multiple alternatively spliced isoforms. Expressed ubiquitously with highest expression in liver, heart, testis, brain and skeletal muscle, DERP6 is thought to be involved in p53-mediated transcriptional regulation. The gene encoding DERP6 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over

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1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Function:
Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4. Involved in cell migration (By similarity). May be involved in TP53-mediated transcriptional regulation.

Subunit:
Component of the RNA polymerase II elongator complex (Elongator), which consists of IKBKAP/ELP1, STIP1/ELP2, ELP3, ELP4, ELP5 and ELP6; in the complex, is required for optimal binding of ELP3 to ELP4.

Subcellular Location:
Cytoplasmic.

Tissue Specificity:
cancers of the ovary, colon, prostate gland and fallopian tubes

Similarity:
Belongs to the ELP5 family.

SWISS:
Q8TE02

Gene ID:
23587

Database links:

Entrez Gene: 23587Human

Entrez Gene: 287446Rat

Omim: 615019Human

SwissProt: Q8TE02Human

SwissProt: Q6IUP3Rat

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	Unigene: 417029Human Unigene: 9041Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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