SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DRES17 antibody

Catalog Number: SL6299R

FOR RESEARCH USE ONLY

[DATASHEET]

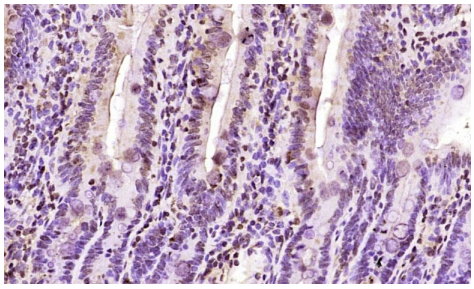
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DRES17
Immunogen:	KLH conjugated synthetic peptide derived from human DRES17: 201-300/453
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	50kDa
Subcellular Location:	The nucleus cytoplasmic The cell membrane
Background:	PRUNE, the human homologue of the Drosophila gene, is located in 1q21.3, a region highly amplified in human sarcomas, malignant tumours of mesenchymal origin. Human prune (h-prune), a phosphoesterase DHH family appertaining protein, physically interacts with nm23-H1, a metastasis suppressor gene. h-prune is involved in cellular motility and metastasis formation. Metastatic breast cancers were found to overexpress h-prune; h-prune was also found to be highly expressed in colorectal and pancreatic cancers. Hence h-prune is considered useful as a marker for tumor aggressiveness. **Function:** Phosphodiesterase (PDE) that has higher activity toward cAMP than cGMP, as substrate. Plays a role in cell proliferation, is able to induce cell motility and acts as a negative regulator of NME1. **Subunit:** Homooligomer. Able to homodimerize via its C-terminal domain.

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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	Interacts with NME1. Interacts with GSK3; at focal adhesion complexes where paxillin and vinculin are colocalized. **Subcellular Location:** Cytoplasm. Nucleus. Cell junction, focal adhesion. Note=In some transfected cells a nuclear staining is also observed. **Tissue Specificity:** Ubiquitously expressed. Seems to be overexpressed in aggressive sarcoma subtypes, such as leiomyosarcomas and malignant fibrous histiocytomas (MFH) as well as in the less malignant liposarcomas. **Similarity:** Belongs to the PPase class C family. Prune subfamily. **Database links:** **Entrez Gene:** 58497 Human **Entrez Gene:** 229589 Mouse **SwissProt:** Q86TP1 Human **SwissProt:** Q8BIW1 Mouse **Unigene:** 728223 Human **Unigene:** 14155 Mouse **Unigene:** 279287 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (mouse intestine tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DRES17) Polyclonal Antibody, Unconjugated (SL6299R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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