SunLong Biotech Co.,LTD
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Rabbit Anti-DERA antibody

SL14279R

Product Name	DERA
Chinese Name	脱氧核糖磷酸醛缩酶样抗体
Alias	Deoxyriboaldolase; 2 deoxyribose 5 phosphate aldolase homolog C. elegans; CGI 26; CGI26; C DEOC_HUMAN; Deoxyriboaldolase; Deoxyribose phosphate aldolase like; DERA; Phosphodeoxyriboaldolase; Putative deoxyribose phosphate aldolase; Putative deoxyribose-phos
Research Area	Tumour Cardiovascular Developmental biology The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	35kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DERA: 251-318/318
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or d applications.
PubMed	PubMed

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Product Detail

DERA is a 318 amino acid member of the deoC/fbaB aldolase protein family. Involved in the ca degradation pathway, DERA catalyzes the conversion of 2-deoxy-D-ribose 5-phosphate to D-gly 3-phosphate and an acetyldehyde. The gene that encodes DERA maps to human chromosome 12, over 1,100 genes within 132 million bases, making up about 4.5% of the human genome. A num deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and K Noonan syndrome, which includes heart and facial developmental defects among the primary sy caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a l cluster, which encodes crucial transcription factors for morphogenesis, and the natural killer com cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interactio leads to facial development defects, seizure disorders and a host of other symptoms varying in se depending on the extent of mosaicism and is most severe in cases of complete trisomy.

Function:
Carbohydrate degradation; 2-deoxy-D-ribose 1-phosphate degradation; D-glyceraldehyde 3-phos acetaldehyde from 2-deoxy-alpha-D-ribose 1-phosphate: step 2/2.

Similarity:
Belongs to the deoC/fbaB aldolase family. DeoC type 2 subfamily.

SWISS:
Q9Y315

Gene ID:
51071

Database links:

Entrez Gene: 51071 Human

SwissProt: Q9Y315 Human

Unigene: 39429 Human