SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CRYL1 antibody

Catalog Number: SL14079R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CRYL1
Immunogen:	KLH conjugated synthetic peptide derived from human CRYL1: 65-170/319
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 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog)
Predicted MW.:	35kDa
Subcellular Location:	cytoplasmic
Background:	The uronate cycle functions as an alternative glucose metabolic pathway, accounting for about 5% of daily glucose catabolism. The product of this gene catalyzes the dehydrogenation of L-gulonate into dehydro-L-gulonate in the uronate cycle. The enzyme requires NAD(H) as a coenzyme, and is inhibited by inorganic phosphate. A similar gene in the rabbit is thought to serve a structural role in the lens of the eye. [provided by RefSeq, Jul 2008] **Function:** CRYL1 is involved in the uronate cycle which functions as an alternative glucose metabolic pathway, accounting for about 5% of daily glucose catabolism. CRYL1 catalyzes the dehydrogenation of L-gulonate into dehydro-L-gulonate. The enzyme requires NAD(H) as a coenzyme, and is inhibited by inorganic phosphate.

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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	Subcellular Location: Cytoplasmic **Tissue Specificity:** Widely expressed, with highest levels in liver and kidney. **Similarity:** Belongs to the 3-hydroxyacyl-CoA dehydrogenase family. **Database links:** **Entrez Gene:** 51084 Human **Entrez Gene:** 68631 Mouse Omim: 609877 Human **SwissProt:** Q9Y2S2 Human **SwissProt:** Q99KP3 Mouse **Unigene:** 370703 Human

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