SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GRP antibody

Catalog Number: SL10631R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GRP
Immunogen:	KLH conjugated synthetic peptide derived from human GRP: 1-100/172
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, Pig, Horse, Rabbit)
Subcellular Location:	Extracellular matrix
Background:	Galectins are a family of soluble b-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and also play a role in tumor progression, pre-mRNA splicing and apoptosis. The Galectin-related protein (GRP), also designated HSPC159, is a 172 amino acid protein that contains one galectin domain. However, HSPC159 does not appear to bind carbohydrates or lactose because the critical residues required for binding are not conserved. The gene encoding HSPC159 maps to human chromosome 2, which consists of 237 million bases and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2, including Harlequin icthyosis, sitosterolemia and Alstr syndrome. **Function:** Does not bind lactose, and may not bind carbohydrates.

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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	Subunit: Monomer (Probable). **Similarity:** Contains 1 galectin domain. **Database links:** **Entrez Gene:** 470387 Chimpanzee **Entrez Gene:** 516629 Cow **Entrez Gene:** 101141454 Gorilla **Entrez Gene:** 29094 Human **Entrez Gene:** 216551 Mouse **Entrez Gene:** 360983 Rat **SwissProt:** Q3ZCW2 Human **SwissProt:** Q8VED9 Mouse **SwissProt:** Q5R5K6 Orangutan **Unigene:** 372208 Human

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