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

Rabbit Anti-GLYR1 antibody

SL13451R

Product Name:	GLYR1
Chinese Name:	氧化还原酶GlyR1/核蛋白60抗体
Alias:	3 hydroxyisobutyrate dehydrogenase like protein; 3-hydroxyisobutyrate dehydrogenase-like protein; BM045; Cytokine like nuclear factor n pac; Cytokine-like nuclear factor N-PAC; Glyoxylate reductase 1 homolog; GLYR1; GLYR1_HUMAN; HIBDL; N-PAC; NP60; Nuclear protein 60 kDa; Nuclear protein NP60; Nuclear protein of 60 kDa; Putative oxidoreductase GLYR1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Monkey,
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:	61kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GLYR1/NP60:21-120/553
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:	NP60 is a 553 amino acid nuclear protein that regulates the phosphorylation and activation of p38 alpha in response to stress. There are five isoforms of NP60 that are produced as a result of alternative splicing events.

Function:
May have oxidoreductase activity. Regulates p38 MAP kinase activity by mediating stress activation of p38alpha/MAPK14 and specifically regulating MAPK14 signaling. Indirectly promotes phosphorylation of MAPK14 and activation of ATF2. The phosphorylation of MAPK14 requires upstream activity of MAP2K4 and MAP2K6. Recruited on chromatin, recognizes and binds trimethylated 'Lys-36' of histone H3 (H3K36me3).

Subunit:
Interacts with MAPK14.

Subcellular Location:
Nucleus.

Similarity:
Belongs to the 3-hydroxyisobutyrate dehydrogenase family.
NP60 subfamily. Contains 1 A.T hook DNA-binding domain.
Contains 1 PWWP domain.

SWISS:
Q49A26

Gene ID:
84656

Database links:

Entrez Gene: 84656Human

Entrez Gene: 74022Mouse

Entrez Gene: 360477Rat

Omim: 610660Human

SwissProt: Q49A26Human

SwissProt: Q922P9Mouse

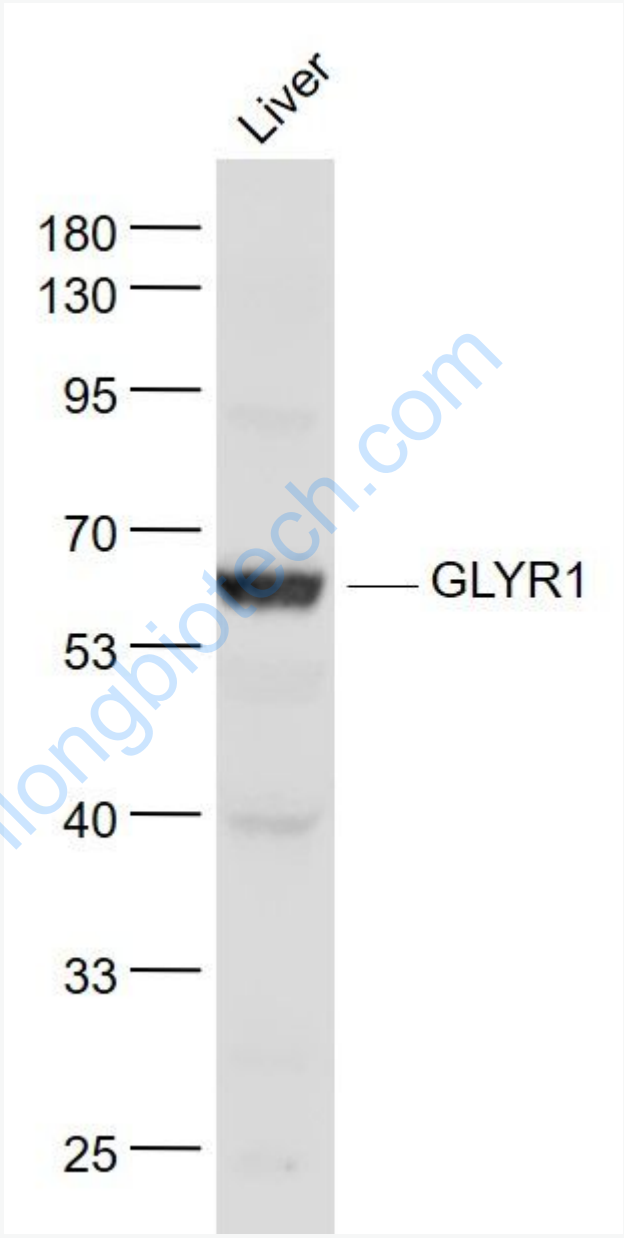
SwissProt: Q5RKH0Rat

Unigene: 387255Human

Unigene: 21652Mouse

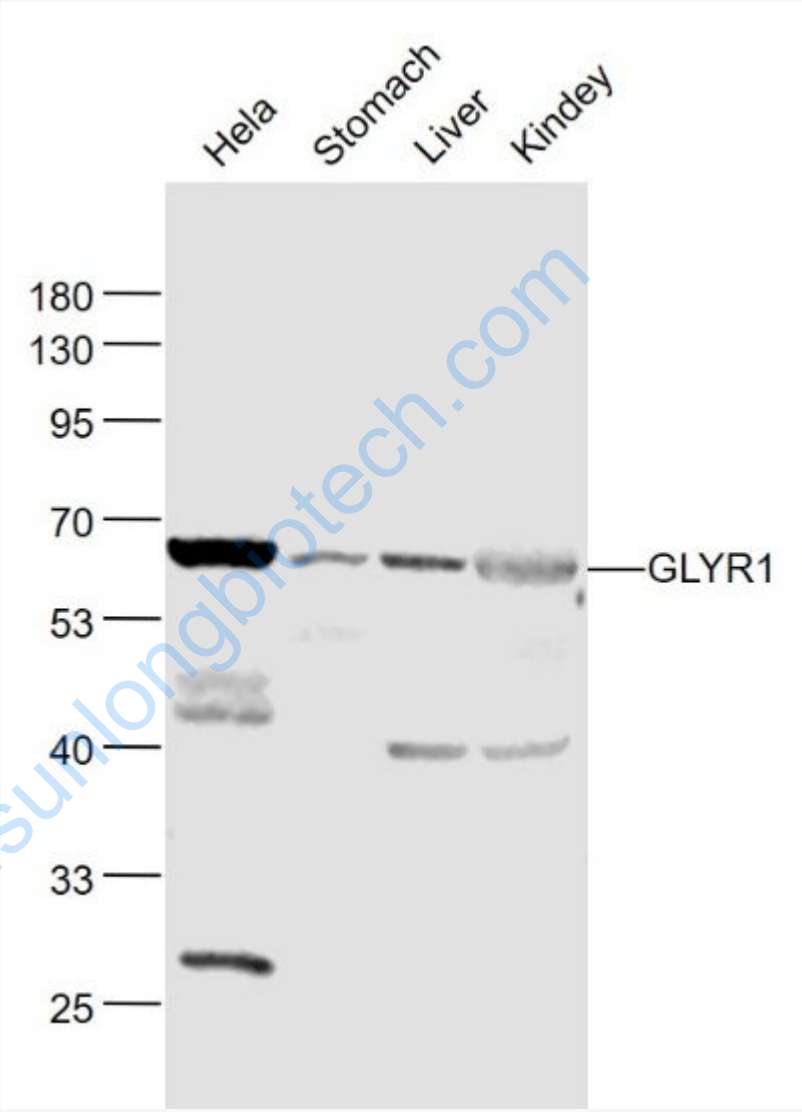
Unigene: 2639Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti- GLYR1 (SL13451R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 61 kD



Sample:

Hela(Human) Cell Lysate at 30 ug

Stomach (Mouse) Lysate at 40 ug

Liver (Mouse) Lysate at 40 ug

Kindey (Mouse) Lysate at 40 ug

Primary: Anti- GLYR1 (SL13451R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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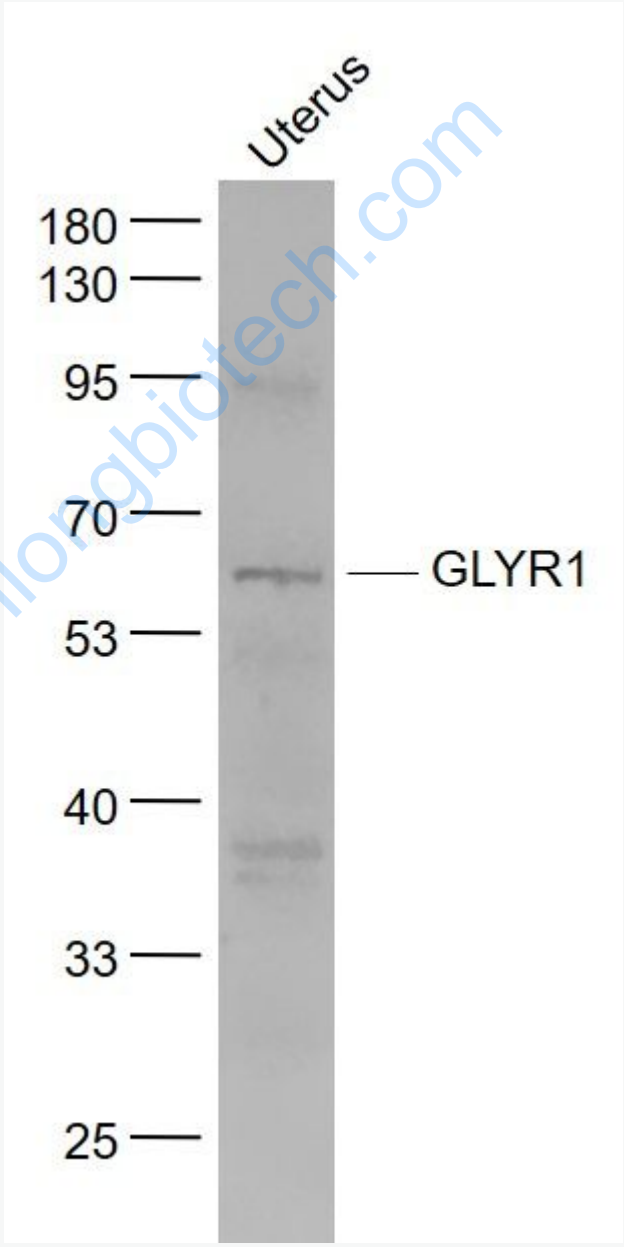
Observed band size: 61 kD



Sample:

	Uterus (Mouse) Lysate at 40 ug Primary: Anti- GLYR1 (SL13451R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 61 kD