SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GPR91 antibody

Catalog Number: SL15392R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPR91
Immunogen:	KLH conjugated synthetic peptide derived from human GPR91: 131-334/334 <Extracellular>
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:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human (predicted: Mouse)
Predicted MW.:	39kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a G-protein-coupled receptor for succinate, an intermediate molecule of the citric acid cycle. It is involved in the promotion of hematopoietic progenitor cell development, and it has a potential role in renovascular hypertension which has known correlations to renal failure, diabetes and atherosclerosis. [provided by RefSeq, Oct 2009] **Function:** Receptor for succinate. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Expressed specifically in kidney. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 56670 Human

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	Entrez Gene: 84112 Mouse **Entrez Gene:** 408199 Rat Omim: 606381 Human **SwissProt:** Q9BXA5 Human **SwissProt:** Q99MT6 Mouse **SwissProt:** Q6IYF9 Rat **Unigene:** 279575 Human **Unigene:** 125110 Mouse **Unigene:** 124512 Rat

[VALIDATION IMAGES]

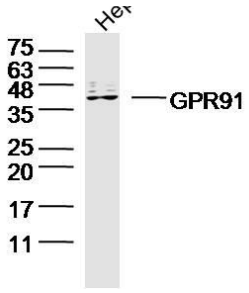


Figure 1. Sample: HepG2 Cell (Human) Lysate at 40 ug Primary: Anti-GPR91(SL15392R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39kD Observed band size: 39kD

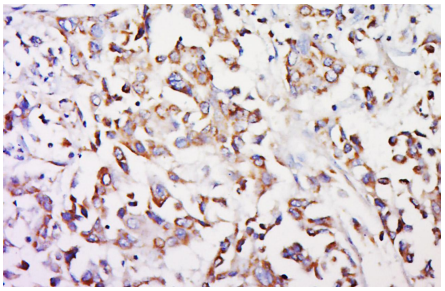


Figure 2. Tissue/cell: human breast cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-GPR91 Polyclonal Antibody, Unconjugated(SL15392R) 1:600, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

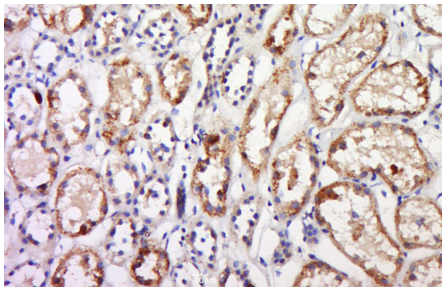


Figure 3. Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-GPR91 Polyclonal Antibody, Unconjugated(SL15392R) 1:600, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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