SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ERPINA6/Cortisol Binding Globulin antibody

Catalog Number: SL14001R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ERPINA6/Cortisol Binding Globulin
Immunogen:	KLH conjugated synthetic peptide derived from human Cortisol Binding Globulin: 121-220/405
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 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human (predicted:Mouse,Cow,Sheep)
Predicted MW.:	43kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes an alpha-globulin protein with corticosteroid-binding properties. This is the major transport protein for glucorticoids and progestins in the blood of most vertebrates. The gene localizes to a chromosomal region containing several closely related serine protease inhibitors which may have evolved by duplication events. [provided by RefSeq, Jul 2008] **Function:** Major transport protein for glucocorticoids and progestins in the blood of almost all vertebrate species. **Subcellular Location:** Secreted. **Tissue Specificity:** Plasma; synthesized in liver. Has also been identified in a number of glycocorticoid responsive cells.

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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	Post-translational modifications: N-glycosylated; binds 5 oligosaccharide chains. Glycosylation in position Asn-260 is needed for steroid binding. DISEASE: Defects in SERPINA6 are a cause of corticosteroid-binding globulin deficiency (CBG deficiency) [MIM:611489]. CBG deficiency is an extremely rare hereditary disorder characterized by reduced corticosteroid-binding capacity with normal or low plasma corticosteroid-binding globulin concentration, and normal or low basal cortisol levels associated with hypo/hypertension and muscle fatigue. **Similarity:** Belongs to the serpin family. **Database links:** **Entrez Gene:** 866 Human Omim: 122500 Human **SwissProt:** P08185 Human **Unigene:** 532635 Human

[VALIDATION IMAGES]

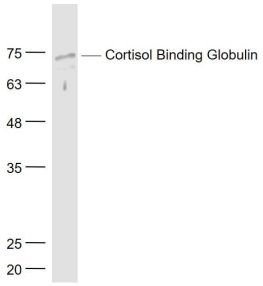


Figure 1. Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti- Cortisol Binding Globulin (SL14001R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 73 kD

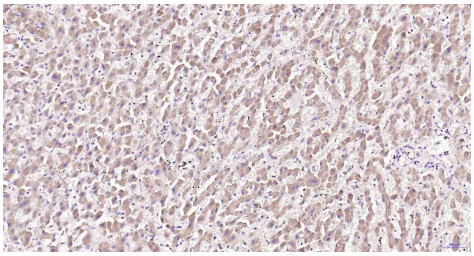


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ERPINA6 Polyclonal Antibody, Unconjugated (SL14001R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining

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