SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CORO7 antibody

Catalog Number: SL13999R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CORO7
Immunogen:	KLH conjugated synthetic peptide derived from human CORO7: 131-230/925
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 （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,Rat,Dog,Cow,Horse,Sheep)
Predicted MW.:	101kDa
Subcellular Location:	cytoplasmic
Background:	Coronins, such as CORO7, constitute an evolutionarily conserved family of WD-repeat actin-binding proteins. CORO7 plays a role in Golgi complex morphology and function (Rybakin et al., 2004, 2006 [PubMed 15327992] [PubMed 16905771]).[supplied by OMIM, Mar 2008] **Function:** May play a role in the maintenance of the Golgi apparatus morphology and in the protein export from the Golgi. **Subcellular Location:** Cytoplasm > cytosol. Golgi apparatus membrane. Cytoplasmic vesicle. Predominantly cytosolic. Detected on vesicle-like cytoplasmic structures and on the cis-Golgi. Not associated with actin filaments. **Post-translational modifications:** The membrane-associated form is phosphorylated on tyrosine residues.

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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	Similarity: Belongs to the WD repeat coronin family. Contains 8 WD repeats. **Database links:** **Entrez Gene:** 79585 Human **Entrez Gene:** 78885 Mouse **Entrez Gene:** 192276 Rat Omim: 611668 Human **SwissProt:** P57737 Human **SwissProt:** Q9D2V7 Mouse **SwissProt:** O35828 Rat **Unigene:** 437957 Human **Unigene:** 325512 Mouse **Unigene:** 13808 Rat

[VALIDATION IMAGES]

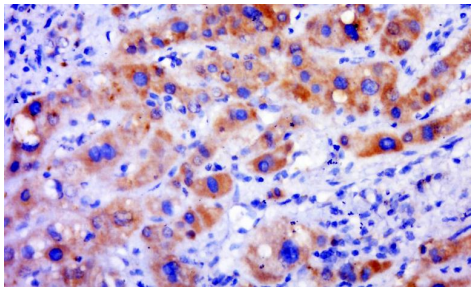


Figure 1. Paraformaldehyde-fixed, paraffin embedded (Human hepatocellular carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CORO7) Polyclonal Antibody, Unconjugated (SL13999R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining

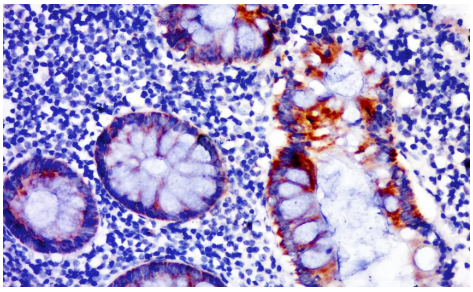


Figure 2. Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CORO7) Polyclonal Antibody, Unconjugated (SL13999R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining

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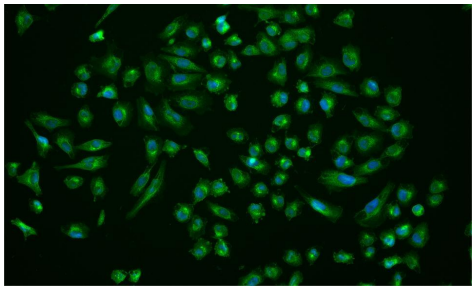


Figure 3. MDA-MB-231 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (CORO7) polyclonal Antibody, Unconjugated (SL13999R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei

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