



Rabbit Anti-phospho-ZCWCC1 (Ser739) antibody

SL10016R

Product Name:	phospho-ZCWCC1 (Ser739)
Chinese Name:	磷酸化ZCWCC1抗体
Alias:	AC004542.C22.1.; p-MORC2(Ser739); phospho-ZCWCC1(Ser739); CW type with coiled coil domain 1; KIAA0852; ZCW3; ZCWCC1; Zinc finger; Zinc finger CW type coiled coil domain protein 1; Zinc finger CW type with coiled coil domain 1; Zing finger CW type 3 zinc finger CW-type coiled-coil domain protein 1; MORC family CW-type zine finger 2; MORC2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
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:	114kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human MORC2 around the phosphorylation site of Ser739:KR(p-S)VA
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:	The CW domain is a structural module found in many vertebrate, parasitic and plant

proteins. It consists of a mononuclear four-cysteine zinc-finger domain that plays a role in DNA binding, chromatin methylation and early embryonic development. ZCWCC1 (zinc finger CW-type coiled-coil domain protein 1), also known as MORC2 (MORC family CW-type zinc finger protein 2) or ZCW3, is a 1,032 amino acid protein that contains one CW-type zinc finger domain. ZCWCC1 is located on chromosome 22 and is ubiquitously expressed with highest expression in pancreas, smooth muscle and testis. Expression of ZCWCC1 is upregulated in hypoxia, a pathological condition characterized by an inadequate supply of oxygen in the blood.

Function:

May act as a transcriptional repressor. Down-regulates CA9 expression.

Subunit:

Interacts with HDAC4.

Subcellular Location:

Nucleus. Cytoplasm, cytosol. Note=Mainly located in the nucleus.

Tissue Specificity:

Highly expressed in smooth muscle, pancreas and testis.

Similarity:

Contains 1 CW-type zinc finger.

SWISS:

Q9Y6X9

Gene ID:

22880

Database links:

[Entrez Gene: 22880](#)Human

[Entrez Gene: 74522](#)Mouse

[Entrez Gene: 289736](#)Rat

[SwissProt: Q9Y6X9](#)Human

[Unigene: 143840](#)Human

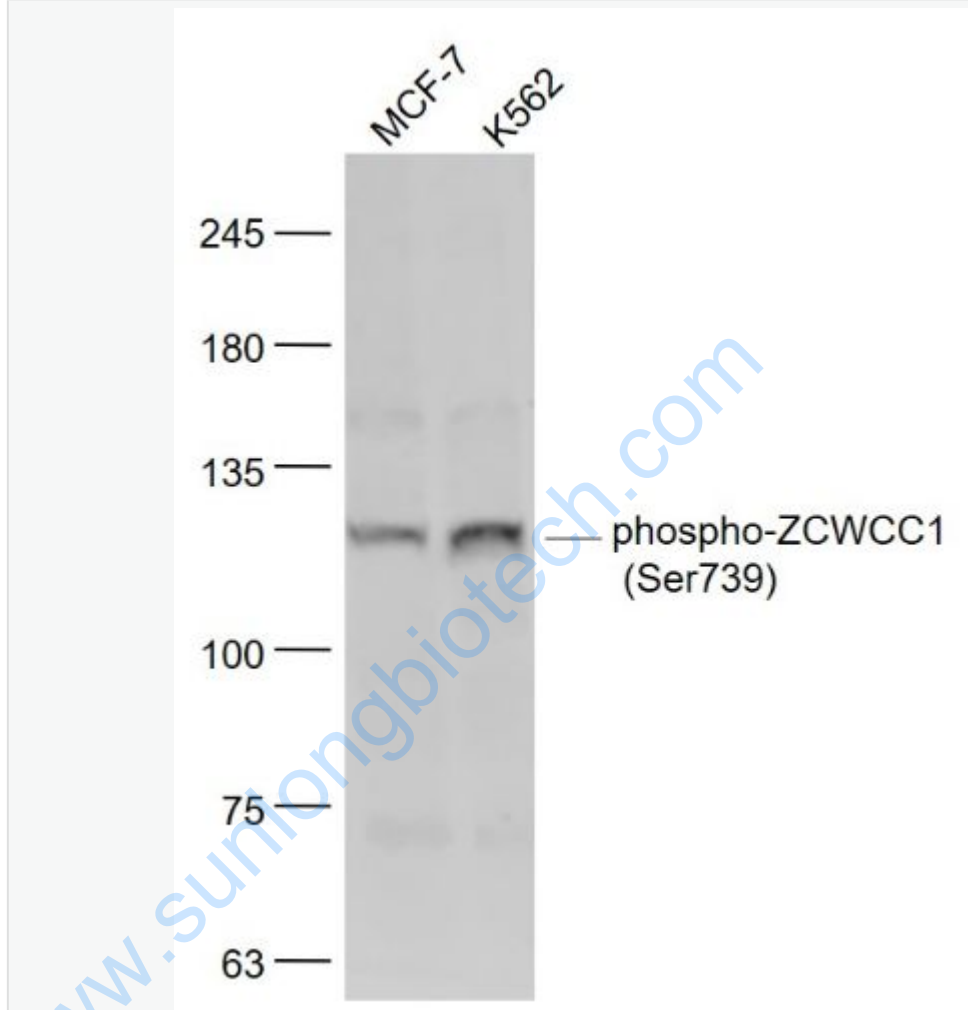
[Unigene: 555918](#)Human

[Unigene: 139127](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

MCF-7(Human) Cell Lysate at 30 ug

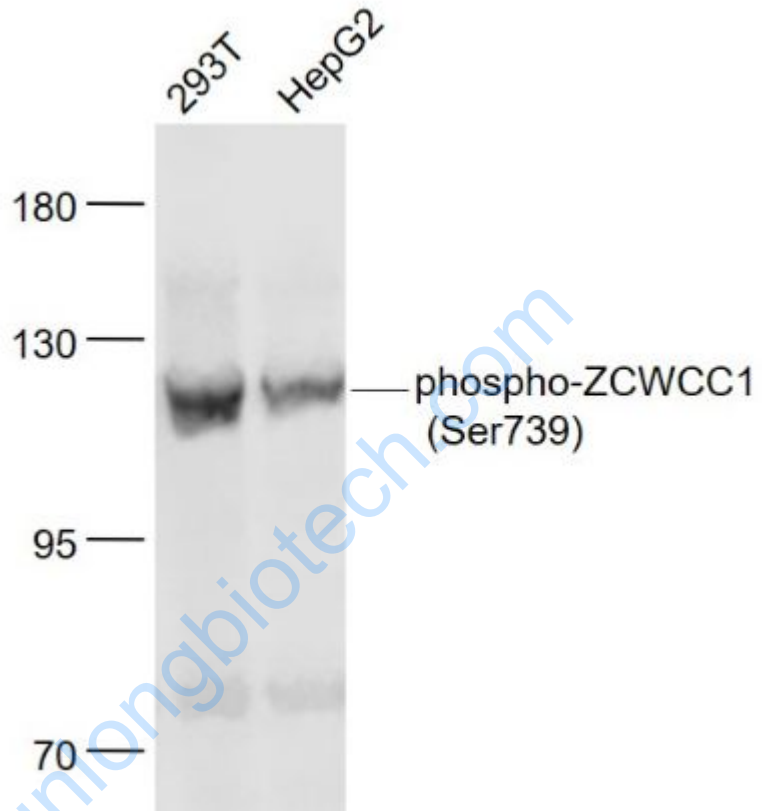
K562(Human) Cell Lysate at 30 ug

Primary: Anti- phospho-ZCWCC1 (Ser739) (SL10016R) at 1/1000 dilution

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

Predicted band size: 114 kD

Observed band size: 114 kD



Sample:

293T(Human) Cell Lysate at 30 ug

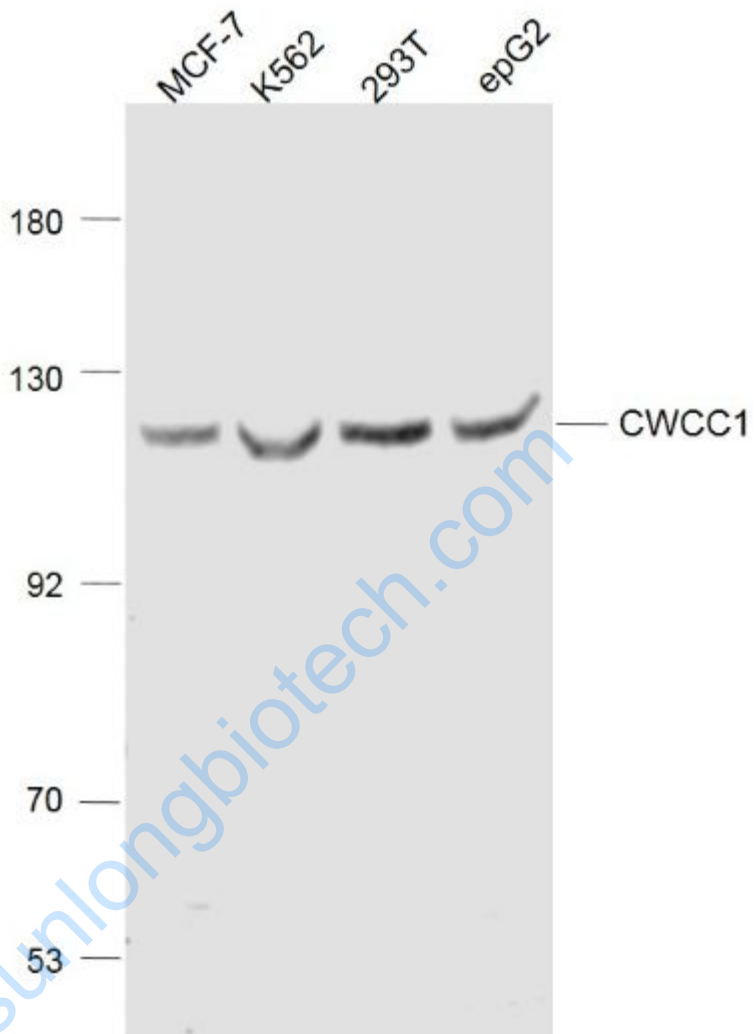
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti- phospho-ZCWCC1 (Ser739) (SL10016R) at 1/1000 dilution

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

Predicted band size: 114 kD

Observed band size: 114 kD



Sample:

MCF-7(Human) Cell Lysate at 30 ug

K562(Human) Cell Lysate at 30 ug

293T(Human) Cell Lysate at 30 ug

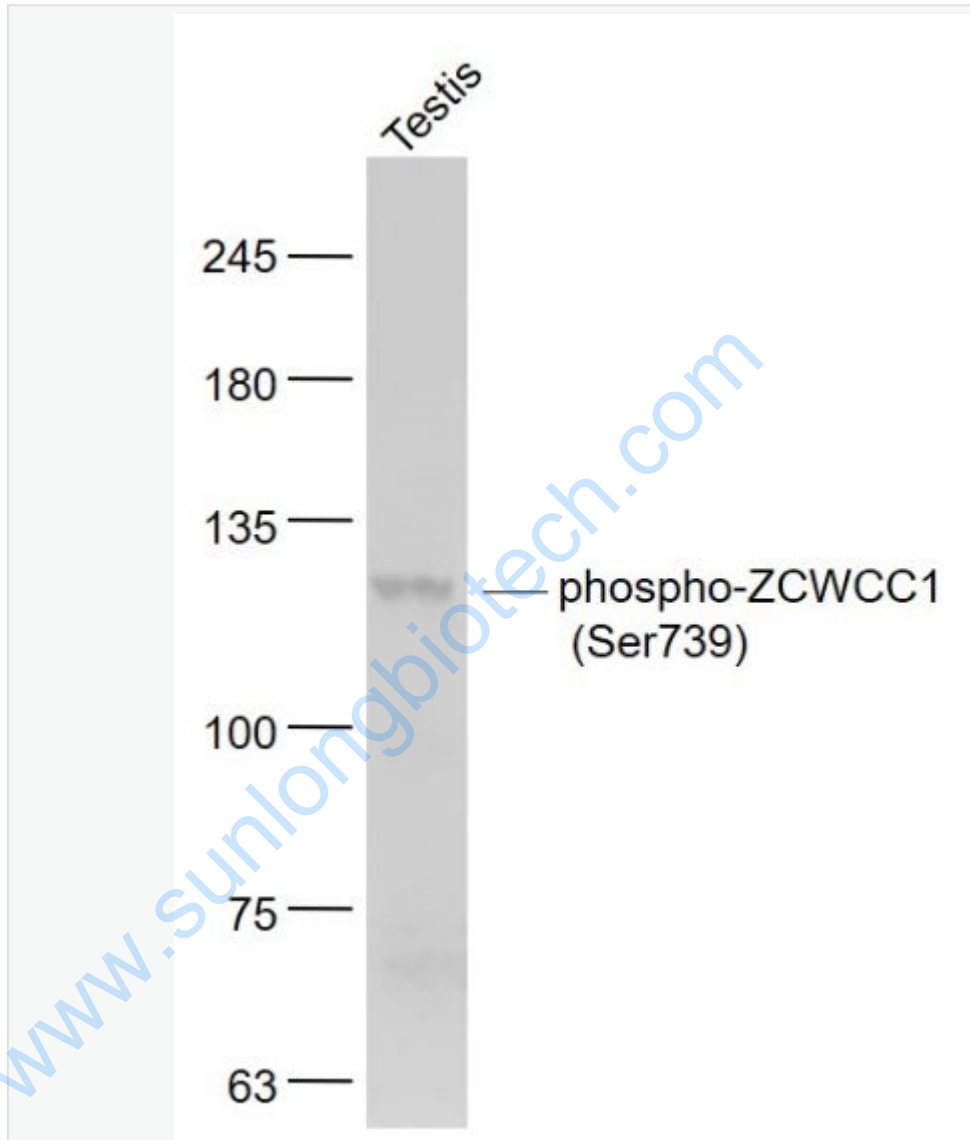
HepG2(Mouse) Cell Lysate at 30 ug

Primary: Anti-phospho-ZCWCC1 (Ser739) (SL10016R) at 1/1000 dilution

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

Predicted band size: 114 kD

Observed band size: 114 kD



Sample:

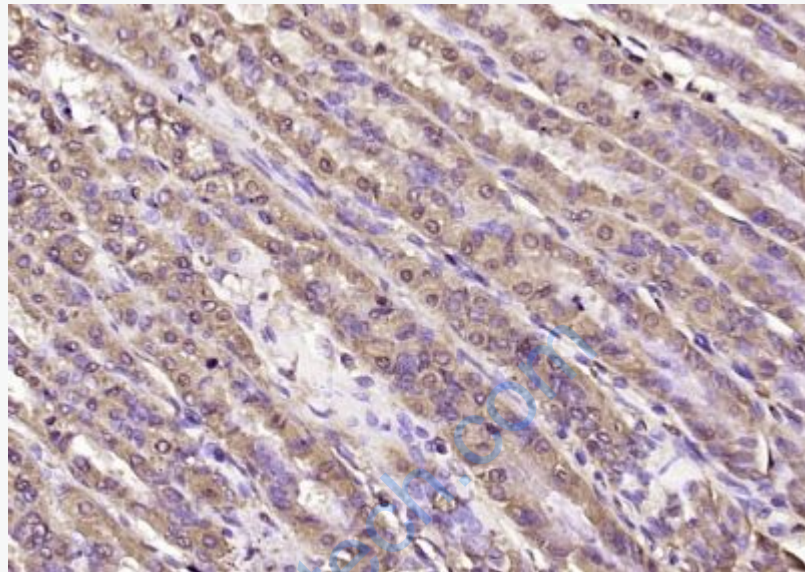
Testis (Mouse) Lysate at 40 ug

Primary: Anti- phospho-ZCWCC1 (Ser739) (SL10016R) at 1/1000 dilution

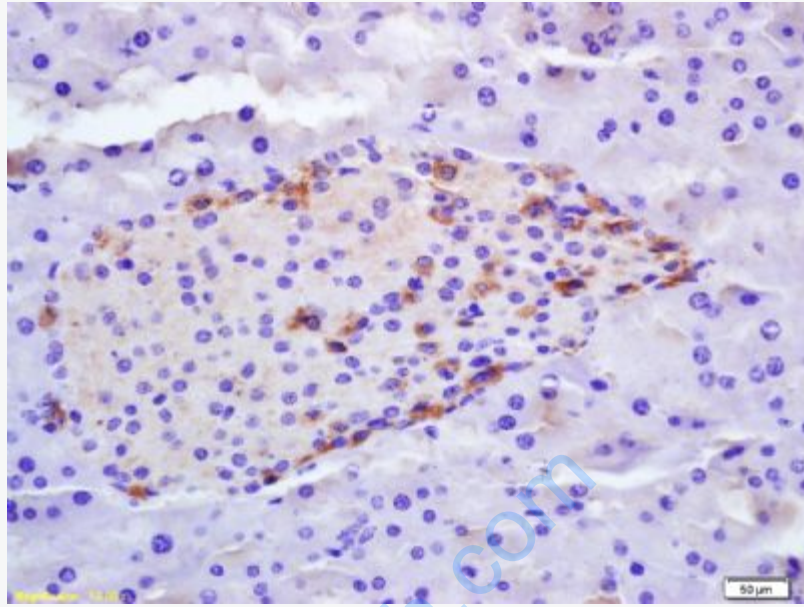
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 114 kD

Observed band size: 114 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (phospho-ZCWC1 (Ser739)) Polyclonal Antibody, Unconjugated (SL10016R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat pancreas 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°C for 20 min;
Incubation: Anti-phospho-ZCWC1(Ser739) Polyclonal Antibody, Unconjugated(SL10016R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining