

## Rabbit Anti-ZCWCC1 antibody

SL25177R

**Product Name** ZCWCC1

**Chinese Name** ZCWCC1 抗体

**Alias** AC004542.C22.1.; 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\_HUMAN; MORC2.

**Research Area** Chromatin and nuclear signals transcriptional regulatory factor Epigenetics

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human,Rat(predicted:Mouse)

**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 118kDa

**Cellular localization** The nucleus cytoplasmic

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human ZCWCC1: 691-790/1032

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

**PubMed** [PubMed](#)

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:**

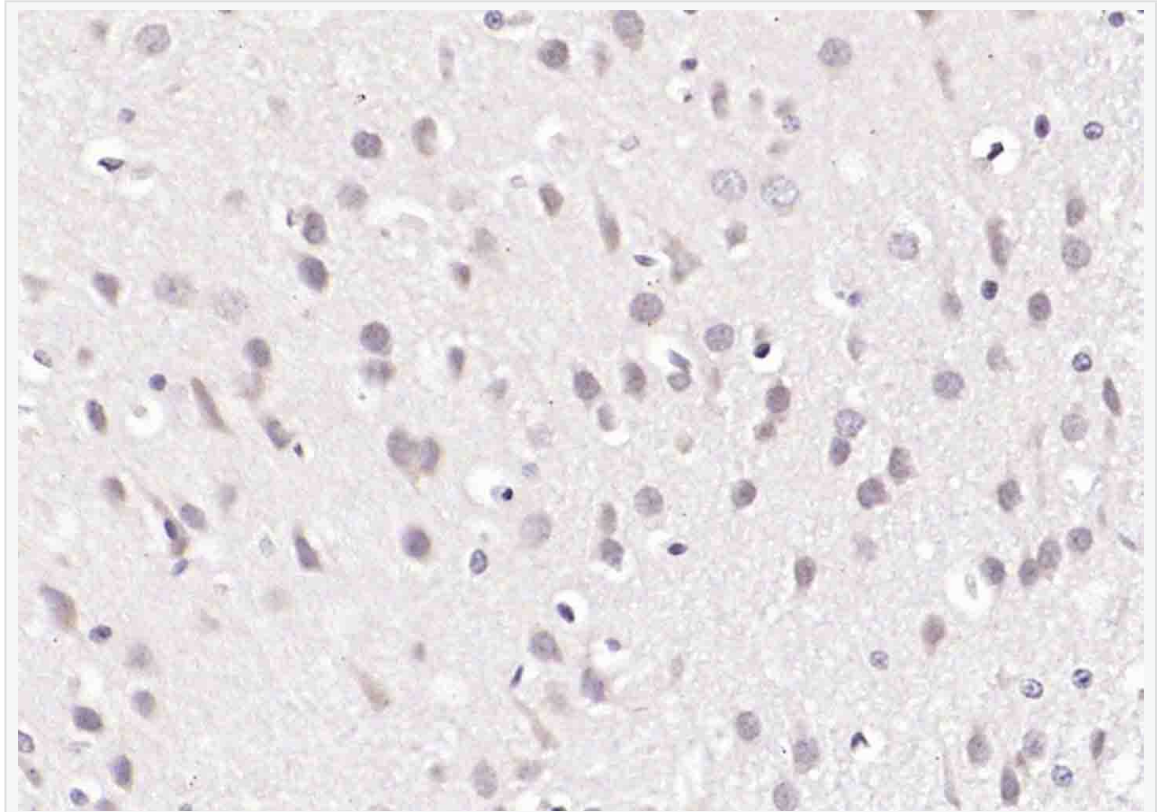
[Entrez Gene: 22880](#) Human

[SwissProt: Q9Y6X9](#) Human

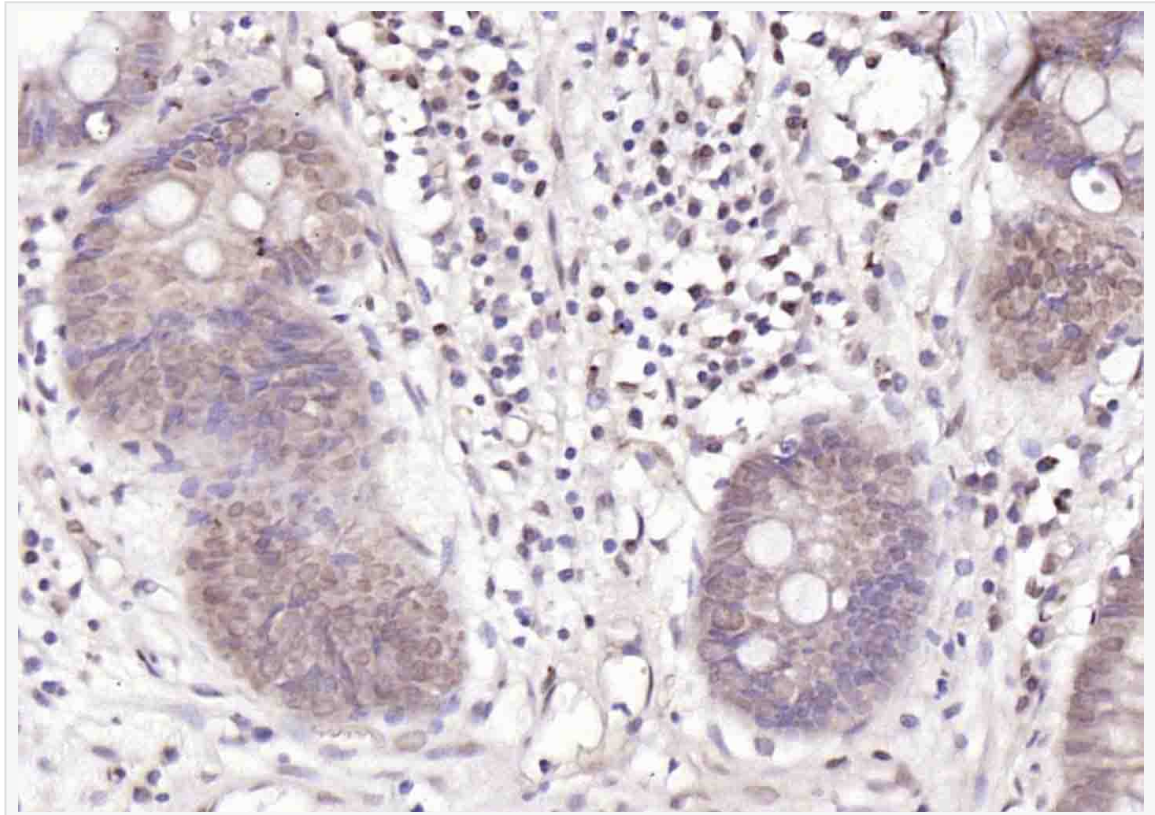
[Unigene: 143840](#) Human

**Product  
Detail**

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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; Incubation with (ZCWCC1) Polyclonal Antibody, Unconjugated (SL25177R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon 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; Incubation with (ZCWCC1) Polyclonal Antibody, Unconjugated (SL25177R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.