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Rabbit Anti-phospho-ZCWCC1 (Ser739)/Biotin Conjugated antibody

SL10016R-Bio

Product Name	Anti-phospho-ZCWCC1 (Ser739)/Biotin
Chinese Name	生物素标记的磷酸化 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.
Product Type	Phosphorylated anti
Research Area	Cell biology transcriptional regulatory factor Zinc finger protein Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	114kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised phosphopeptide derived from human MORC2 around the phosphorylation site of Ser739
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the

antibody is stable for at least two weeks at 2-4 °C.

Product Detail

background:
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.

Database links:
UniProtKB/Swiss-Prot: Q9Y6X9.

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