### bs-10016R

## [ Primary Antibody ]

# phospho-ZCWCC1 (Ser739) Rabbit pAb



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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 22880 **SWISS:** Q9Y6X9

Target: ZCWCC1 (Ser739)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human

MORC2 around the phosphorylation site of Ser739: KR(p-S)VA.

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°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** The CW domain is a structural module found in many vertebrate, parasitic and plant proteins. It consists of a mononuclear fourcysteine 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.

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) ICC/IF (1:50-200)

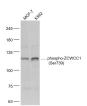
Reactivity: Human, Rat

(predicted: Mouse)

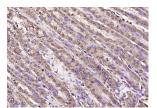
Predicted MW.: 114 kDa

**Subcellular Location:** Cytoplasm ,Nucleus

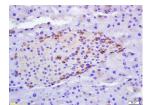
#### VALIDATION IMAGES



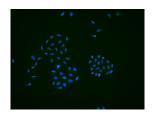
Sample: MCF-7(Human) Cell Lysate at 30 ug K562(Human) Cell Lysate at 30 ug Primary: Antiphospho-ZCWCC1 (Ser739) (bs-10016R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 114 kD Observed band size: 114 kD



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-ZCWCC1 (Ser739)) Polyclonal Antibody, Unconjugated (bs-10016R) 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 paraffinembedded; 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-ZCWCC1(Ser739) Polyclonal Antibody, Unconjugated(bs-10016R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Hela 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 (Phospho-ZCWCC1 (Ser739)) polyclonal Antibody, Unconjugated (bs-10016R) 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.

## - SELECTED CITATIONS -

• [IF=5.17] Wang et al. PAK1-mediated MORC2 phosphorylation promotes gastric tumorigenesis. (2015) Oncotarge. 6:9877-86 WB,IHC; Human, Mouse. 25888627