

Anti-WBSCR14 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 93 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Tissue/cell: rat rectum tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-WBSCR14 Polyclonal Antibody, Unconjugated (TMAB-14163) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human WBSCR14/ChREBP
Antigen Species:	Human
Gene ID:	51085
Uniprot ID:	Q9NP71

Research Background

ChREBP (Carbohydrate responsive element binding protein) is a transcription factor playing a critical role in the nutrient and hormonal regulation of genes encoding enzymes of glucose metabolism and lipogenesis pathways. It contains several domains including a nuclear localization signal (NLS) near the N-terminus, polyproline domains, a basic helix-loop-helix leucine zipper (b/HLH/Zip) and a leucine zipper like (zip-like) domain. ChREBP is ubiquitously detected in various tissues, with highest expression in liver, kidney and white and brown adipose tissue. Under basal conditions ChREBP is localized in the cytosol, translocating into the nucleus upon high glucose stimulation following its dephosphorylation of phospho-serine 196.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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