

**bs-24540R****[ Primary Antibody ]****CEBP-alpha Rabbit pAb****Bioss**  
ANTIBODIES

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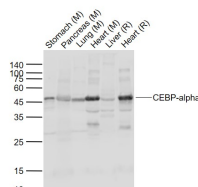
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**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)
<b>GeneID:</b> 1050	<b>SWISS:</b> P49715	<b>Predicted MW.:</b> 39 kDa
<b>Target:</b> CEBP-alpha		<b>Subcellular Location:</b> Nucleus
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CEBP-alpha: 251-350/358.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells. [provided by RefSeq, Jul 2008].		

**VALIDATION IMAGES**

Sample: Lane 1: Stomach (Mouse) Lysate at 40 ug  
Lane 2: Pancreas (Mouse) Lysate at 40 ug  
Lane 3: Lung (Mouse) Lysate at 40 ug  
Lane 4: Heart (Mouse) Lysate at 40 ug  
Lane 5: Liver (Rat) Lysate at 40 ug  
Lane 6: Heart (Rat) Lysate at 40 ug  
Primary: Anti-CEBP-alpha (bs-24540R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 45 kD  
Observed band size: 46 kD

**SELECTED CITATIONS**

- **[IF=3.553]** Man Luo. et al. miR136 regulates proliferation and differentiation of small tail han sheep preadipocytes. ADIPOCYTE. 2023;12(1):Article: 2173966 WB ;Sheep,Human. 36722834
- **[IF=3.231]** Zhen Zhou. et al. Myogenic Determination and Differentiation of Chicken Bone Marrow-Derived Mesenchymal Stem Cells under Different Inductive Agents. ANIMALS. 2022 Jan;12(12):1531 WB ;Chicken. 35739868