

## Anti-CEBP-alpha Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 39 kDa. Actual: 46 kDa.
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Stomach (Mouse) Lysate at 40 µg Lane 2: Pancreas (Mouse) Lysate at 40 µg Lane 3: Lung (Mouse) Lysate at 40 µg Lane 4: Heart (Mouse) Lysate at 40 µg
Verified Activity:	Lane 5: Liver (Rat) Lysate at 40 µg Lane 6: Heart (Rat) Lysate at 40 µg Primary: Anti-CEBP-alpha (TMAB-04211) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 46 kD
Application:	WB
Recommended	WB: 1:500-2000

## 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 CEBP-alpha
Antigen Species:	Human
Gene ID:	1050
Uniprot ID:	P49715

## Research Background

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].

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481