SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HABP4 antibody

Catalog Number: SL15402R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HABP4
Immunogen:	KLH conjugated synthetic peptide derived from human HABP4: 41-140/413
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℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Pig,Cow,Sheep)
Predicted MW.:	46kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	The intracellular hyaluronan-binding protein 4 is a cytoplasmic and nuclear protein that is phosphorylated on serine and threonine residues. HABP4 is expressed as a protein of 413 amino acids and is phosphorylated by phorbol 12-myristate 13-acetate (PMA)-activated PKC isoforms at Thr-354 and Thr-375. HABP4 interacts with hyaluron, the adaptor protein RACK1, the transcription factor MEF2C and the chromatin remodeling factor CHD3, suggesting that it may be involved in the regulation of transcription. However, its actual function has yet to be elucidated. HABP4 is highly expressed in brain, heart, and kidney and is moderately expressed in skeletal muscle. Also, HABP4 is expressed in a variety of tumor cell lines and in activated, but not resting, leukocytes. **Function:** May be involved in nuclear functions such as the remodeling of chromatin and the regulation of transcription. **Subunit:** Interacts with the C-terminus of CHD3. Interacts via its C-terminal region with GNB2L1. Interacts with p53/TP53.

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

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	Subcellular Location: Cytoplasm. Nucleus. Note=Transported into the nuclear compartment in activated leukocytes. **Tissue Specificity:** Highly expressed in brain, heart, and kidney, and moderately expressed in skeletal muscle. Also expressed in a variety of tumor cell lines and in activated but not resting leukocytes. **Post-translational modifications:** Phosphorylated by phorbol 12-myristate 13-acetate (PMA)-activated PKC isoforms at Thr-354 and Thr-375 (Probable). **Database links:** **Entrez Gene:** 22927 Human **SwissProt:** Q5JVS0 Human **Unigene:** 494567 Human

[VALIDATION IMAGES]

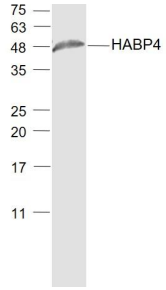


Figure 1. Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti- HABP4 (SL15402R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 48kD

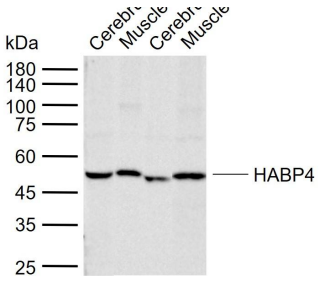


Figure 2. Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Muscle tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Rat Muscle tissue lysates Primary: Anti-HABP4 (SL15402R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kDa Observed band size: 48 kDa

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