

Anti-HABP4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Pig,Cow,Sheep)
Molecular Weight:	Theoretical: 46 kDa. Actual: 48 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Kidney (Mouse) Lysate at 40 µg Primary: Anti-HABP4 (TMAB-06871) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 48 kD
	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 (TMAB-06871) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kDa Observed band size: 50 kDa
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 HABP4
Antigen Species:	Human
Gene ID:	22927
Uniprot ID:	Q5JVS0

Research 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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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