

**bsm-60685R****[ Primary Antibody ]****BioSS**  
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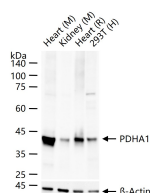
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**PDHA1 Recombinant Rabbit mAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> R9B7	
<b>GeneID:</b> 5160	<b>SWISS:</b> P08559	
<b>Target:</b> PDHA1		
<b>Immunogen:</b> A synthesized peptide derived from human PDHA1: 100-150.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat
<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 pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO <sub>2</sub> , and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase(E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 alpha 1 subunit containing the E1 active site, and plays a key role in the function of the PDH complex. Mutations in this gene are associated with pyruvate dehydrogenase E1-alpha deficiency and X-linked Leigh syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.		
		<b>Predicted MW.:</b> 43 kDa
		<b>Subcellular Location:</b> Cytoplasm

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with PDHA1 monoclonal antibody, unconjugated (bsm-60685R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.