

bs-11986R**[Primary Antibody]****CABP1 Rabbit pAb****Bioss**
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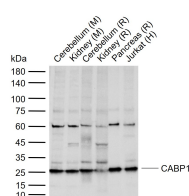
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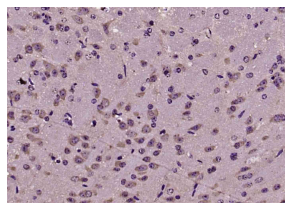
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 9478	SWISS: Q9NZU7	
Target: CABP1		
Immunogen: KLH conjugated synthetic peptide derived from human CABP1: 311-355/370.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Horse)
Concentration: 1mg/ml		
Storage: 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.		
Background: Calcium plays an essential role in many biological processes. The calcium binding protein (CaBP) family shares much similarity to calmodulin. It has been shown that CaBP proteins can substitute functionally for, and probably augment the function of, calmodulin. Calcium binding proteins are a crucial part of calcium mediated cellular signal transduction in the central nervous system. There are several members of the family with varying expression patterns. CaBP1 and CaBP2 can be expressed as multiple, alternatively spliced variants in brain and retina. CaBP3, CaBP4 and CaBP 5 are restricted to retinal rod and cone cells. CaBP7 shares 70% homology with CaBP8 and 50% homology with CaM I.		
		Predicted MW.: 40 kDa
		Subcellular Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebellum tissue lysates
Lane 2: Mouse Kidney tissue lysates Lane 3: Rat Cerebellum tissue lysates Lane 4: Rat Kidney tissue lysates Lane 5: Rat Pancreas tissue lysates Lane 6: Human Jurkat cell lysates Primary: Anti-CABP1 (bs-11986R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 26 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CABP1) Polyclonal Antibody, Unconjugated (bs-11986R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.