

bs-13924R**[Primary Antibody]****CHRAC1 Rabbit pAb****BioSS**
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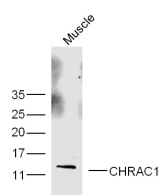
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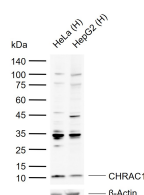
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 54108 Target: CHRAC1 Immunogen: KLH conjugated synthetic peptide derived from human CHRAC1: 1-100/131. 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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: DNA replication is initiated by the binding of initiation factors to the origin of replication. Nucleosomes inhibit access to the replication machinery at these origin sequences. Nucleosome remodeling factors increase the accessibility of nucleosomal DNA to transcriptional regulators (1). CHRAC15 and CHRAC17 are subunits of the nucleosomal remodeling factor CHRAC (chromatin accessibility complex), which increases the accessibility of nucleosomal DNA in an ATP-dependent manner (2). Unlike other known chromatin remodelling factors, CHRAC also functions during chromatin assembly by using ATP to convert irregular chromatin into a regular array of nucleosomes with even spacing (3). This conversion process occurs when CHRAC organizes randomly deposited histones into a regularly spaced array (4). In the presence of CHRAC, the nucleosomal ATPase ISWI catalyses several ATP-dependent transitions of chromatin structure (5).	Isotype: IgG SWISS: Q9NRG0	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Sheep, Cow, Chicken) Predicted MW.: 14 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Sample: muscle (Mouse) Lysate at 40 ug Primary: Anti-CHRAC1(bs-13924R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kD
 Observed band size: 13 kD



Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HepG2 cell lysates Primary: Anti-CHRAC1 (bs-13924R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 11 kDa