

**bs-23516R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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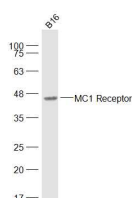
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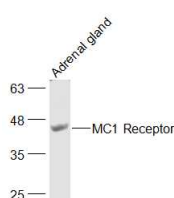
400-901-9800

**MC1R Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse, Rat
<b>GeneID:</b> 17199		
<b>Target:</b> MC1R		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse MC1 Receptor : 231-315/315. < Cytoplasmic >		<b>Predicted MW.:</b> 35 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Cell membrane
<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> Enables melanocyte-stimulating hormone receptor activity. Involved in intracellular signal transduction; positive regulation of intracellular signal transduction; and positive regulation of transcription by RNA polymerase II. Acts upstream of or within melanin biosynthetic process; pigmentation; and sensory perception of pain. Predicted to be located in membrane. Predicted to be integral component of membrane. Predicted to be active in cytoplasm and plasma membrane. Is expressed in ductus deferens; epididymis; esophagus; and skin. Human ortholog(s) of this gene implicated in familial melanoma; major depressive disorder; melanoma; oculocutaneous albinism type II; and pigmentation disease. Orthologous to human MC1R (melanocortin 1 receptor). [provided by Alliance of Genome Resources, Nov 2021]		

**— VALIDATION IMAGES —**

Sample: B16(Mouse) Cell Lysate at 30 ug  
Primary: Anti-MC1 Receptor (bs-23516R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 45 kD



Sample: Adrenal gland (Rat) Lysate at 40 ug  
Primary: Anti-MC1 Receptor (bs-23516R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 45 kD

**— SELECTED CITATIONS —**

- **[IF=13.4]** Zheyu Yao. et al.Injectable melatonin carbon dot composite hydrogel enhances anti-inflammatory and tenogenic differentiation of tendon-derived stem cells for minimally invasive treatment of Achilles tendinopathy.Chemical Engineering Journal. Western blot ;Rat. 10.1016/j.cej.2025.160720