

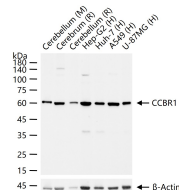
bsm-61613R**[Primary Antibody]****BioSS**
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www.bioss.com.cn

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400-901-9800

CCBR1 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 11H12**GeneID:** 23657**SWISS:** Q9UPY5**Target:** CCBR1**Immunogen:** A synthesized peptide derived from human xCT: 1-44/501.**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Heterodimer with SLC3A2, that functions as an antiporter by mediating the exchange of extracellular anionic L-cystine and intracellular L-glutamate across the cellular plasma membrane. Provides L-cystine for the maintenance of the redox balance between extracellular L-cystine and L-cysteine and for the maintenance of the intracellular levels of glutathione that is essential for cells protection from oxidative stress.**Applications:** WB (1:500-2000)**ICC/IF** (1:50-200)**IP** (1:20-50)**Reactivity:** Human, Mouse, Rat**Predicted
MW.:** 55**Subcellular
Location:** Cell membrane**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with CCBR1 monoclonal antibody, unconjugated (bsm-61613R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=4.2]** Linna Yu. et al. NLRP3 Mediates NOXs-Induced Iron Overload and Inflammation but Not Oxidative Damage in Colons of DSS-Treated Mice. J INFLAMM RES. 2025 四月 03 WB ;Mouse. 40201574
- **[IF=3.7]** Haoyue Guan. et al. Disorders of Iron Metabolism: A “Sharp Edge” of Deoxynivalenol-Induced Hepatotoxicity. METABOLITES. 2025 Mar;15(3):165 IF ;Mouse. 40137129