

# Product Datasheet

## GCLM Antibody - BSA Free

### NBP1-33405

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-33405**

GCLM Antibody - BSA Free

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	31 kDa

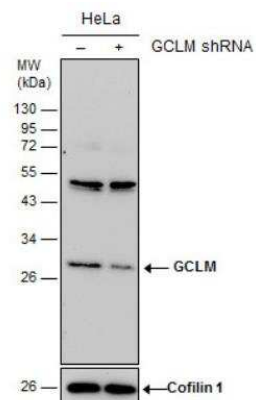
Product Description	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit GCLM Antibody - BSA Free (NBP1-33405) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GCLM Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2730
<b>Gene Symbol</b>	GCLM
<b>Species</b>	Human
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human GCLM. The exact sequence is proprietary.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated

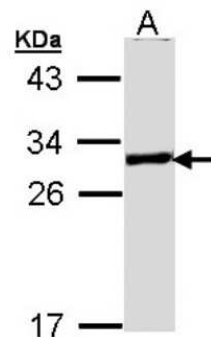


## Images

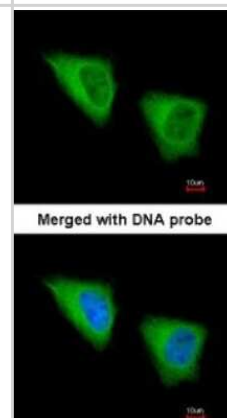
Western Blot: GCLM Antibody [NBP1-33405] - Non-transfected (-) and transfected (+) HeLa whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with GCLM antibody [N1N3]. HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



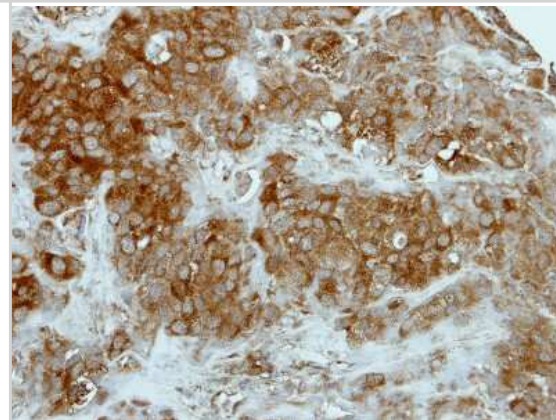
Western Blot: GCLM Antibody [NBP1-33405] - Sample (30 ug of whole cell lysate) A: H1299 12% SDS PAGE; antibody diluted at 1:5000.



Immunocytochemistry/Immunofluorescence: GCLM Antibody [NBP1-33405] - Paraformaldehyde-fixed HeLa, using antibody at 1:200 dilution.



Immunohistochemistry-Paraffin: GCLM Antibody [NBP1-33405] - BT474 xenograft, using GCLM antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Souter P, Vaughan J, Butcher K, Dowle A et Al. Identification of mesenchymal stromal cell survival responses to antimicrobial silver ion concentrations released from orthopaedic implants Sci Rep 2020-11-04 [PMID: 33144664]

Cao JY, Poddar A, Magtanong L et al. A Genome-wide Haploid Genetic Screen Identifies Regulators of Glutathione Abundance and Ferroptosis Sensitivity Cell Rep 2019-02-05 [PMID: 30726737] (WB, Human)

Lu H Samanta D Xiang L et al. Chemotherapy triggers HIF-1-dependent glutathione synthesis and copper chelation that induces the breast cancer stem cell phenotype. Proc Natl Acad Sci U S A. 2015-07-30 [PMID: 26229077] (WB, Human)





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### **Products Related to NBP1-33405**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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