

# Product Datasheet

## COBL Antibody - BSA Free

### NBP1-89615

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-89615**

COBL Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

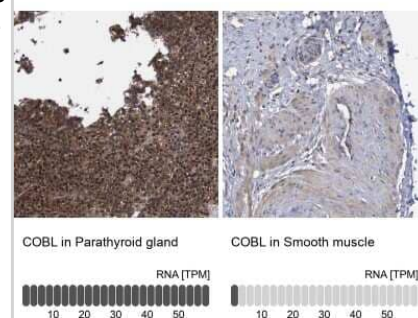
<b>Host</b>	Rabbit
<b>Gene ID</b>	23242
<b>Gene Symbol</b>	COBL
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 30866487).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: AVVRV/SPEVPLQNILPVICAKCEV/SPEHV/VLLRDNIAGEEELSKSLNELGIKELY AWDNRRETFRKSSLGNDETDEKEKKKFLGFFKVNKRSNSKGLT

**Product Application Details**

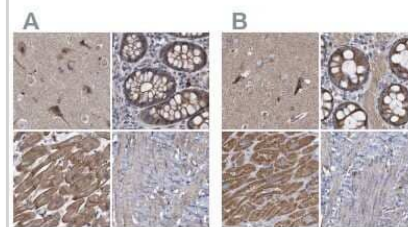
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

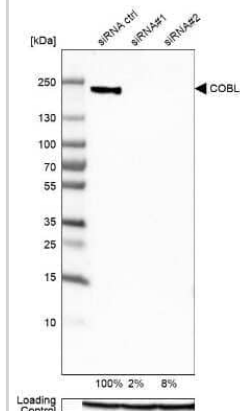
Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining in human parathyroid gland and smooth muscle tissues using anti-COBL antibody. Corresponding COBL RNA-seq data are presented for the same tissues.



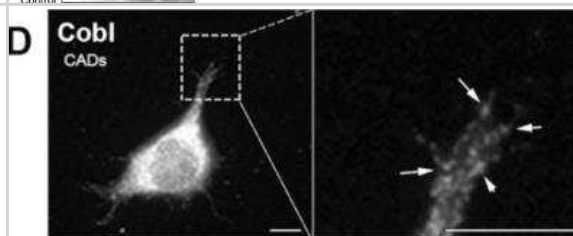
**Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human cerebral cortex, colon, heart muscle and smooth muscle using Anti-COBL antibody NBP1-89615 (A) shows similar protein distribution across tissues to independent antibody NBP1-89616 (B).**



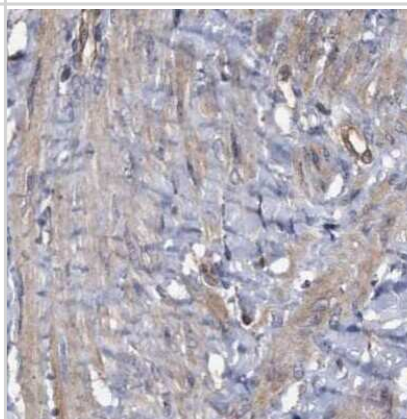
**Western Blot: COBL Antibody [NBP1-89615] - Analysis in HeLa cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-COBL antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.**



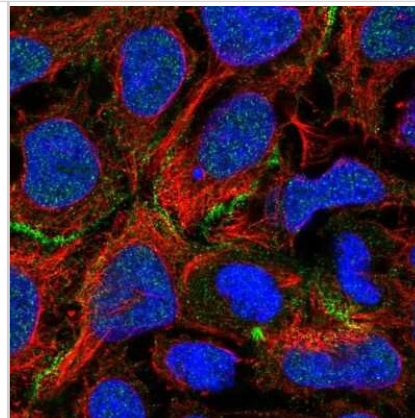
**Immunocytochemistry/Immunofluorescence: COBL Antibody [NBP1-89615] - Validation of the LCM/MS data from cellular protrusions using microscopy. Tenm2 is found within COBL in growth cones. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30866487/>) licensed under a CC-BY license.**



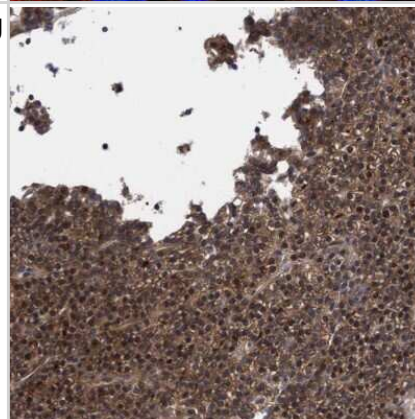
**Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human smooth muscle using Anti-COBL antibody NBP1-89615.**



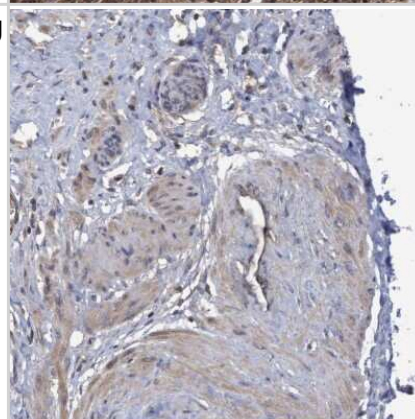
Immunocytochemistry/Immunofluorescence: COBL Antibody [NBP1-89615] - Staining of human cell line CACO-2 shows localization to nucleoplasm & cell junctions. Antibody staining is shown in green.



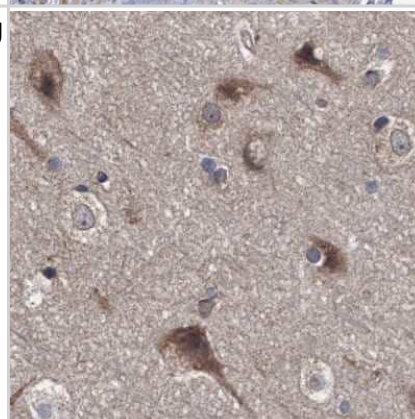
Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human parathyroid gland shows high expression.



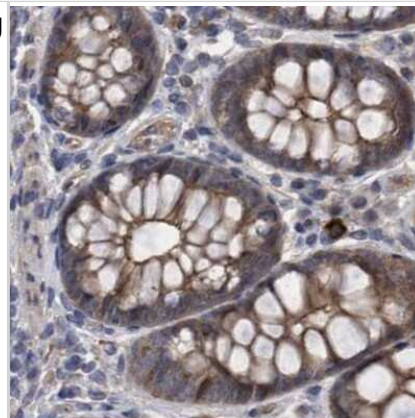
Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human smooth muscle shows low expression as expected.



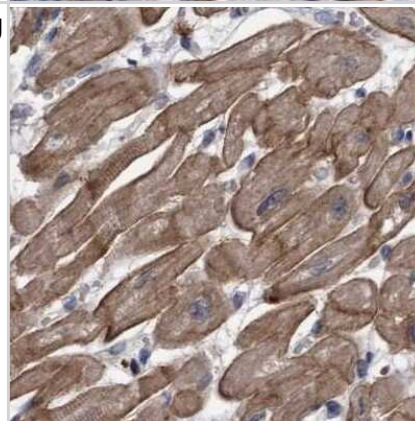
Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human cerebral cortex.



Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human colon.



Immunohistochemistry-Paraffin: COBL Antibody [NBP1-89615] - Staining of human heart muscle.



## Publications

Gousset K, Gordon A, Kumar Kannan S, Tovar J. A novel Microproteomic Approach Using Laser Capture Microdissection to Study Cellular Protrusions Int J Mol Sci 2019-03-07 [PMID: 30866487] (ICC/IF, Mouse)





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### **Products Related to NBP1-89615**

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NBP1-89615PEP	COBL Recombinant Protein Antigen
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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