

# Product Datasheet

## BICD2 Antibody - BSA Free

### NBP1-81488

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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#### Publications: 1

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Updated 12/2/2025 v.20.1

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**NBP1-81488**

BICD2 Antibody - BSA Free

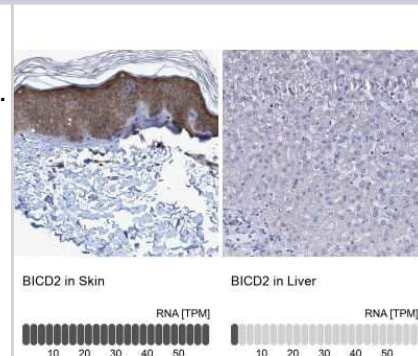
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal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

Product Description	
<b>Description</b>	Novus Biologicals Rabbit BICD2 Antibody - BSA Free (NBP1-81488) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-BICD2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	23299
<b>Gene Symbol</b>	BICD2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: MSAPSEEEYARLVMEAQPEWLRAEVKRLSHELAETTREKIQA AEYGLAVLEE KHQLKLQFEELEVDYEA I

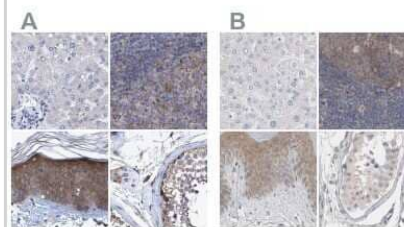
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 -1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

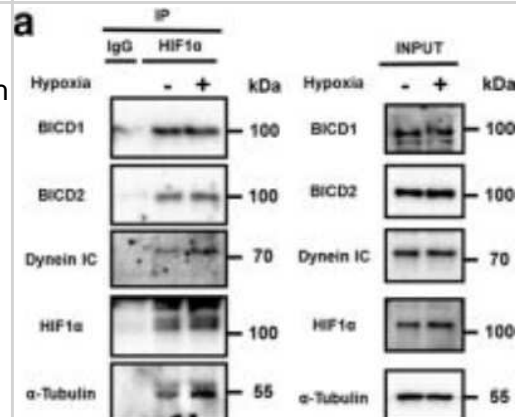
Immunohistochemistry-Paraffin: BICD2 Antibody [NBP1-81488] - Staining in human skin and liver tissues using anti-BICD2 antibody. Corresponding BICD2 RNA-seq data are presented for the same tissues.



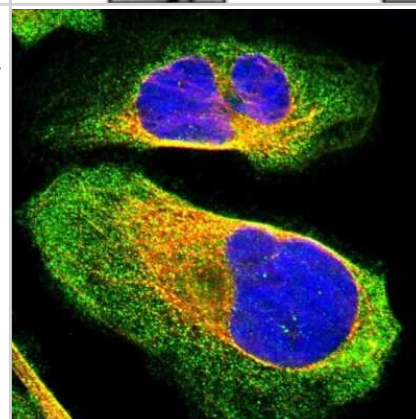
Immunohistochemistry-Paraffin: BICD2 Antibody [NBP1-81488] - Staining of human liver, lymph node, skin and testis using Anti-BICD2 antibody NBP1-81488 (A) shows similar protein distribution across tissues to independent antibody NBP1-81489 (B).



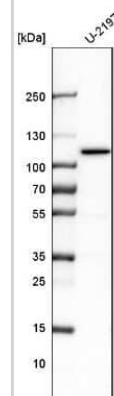
Western Blot: BICD2 Antibody [NBP1-81488] - Role of BICD1 in dynein-mediated HIF1alpha nuclear translocation in UCB-MSCs. Co-immunoprecipitation of BICD1, BICD2, Dynein IC, and alpha-Tubulin with IgG and HIF1alpha antibodies were shown in left panel. Total protein expressions in lysate were shown in right panel. n = 3. \*p < 0.05 vs. normoxia control. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41418-018-0241-1>), licensed under a CC-BY license.



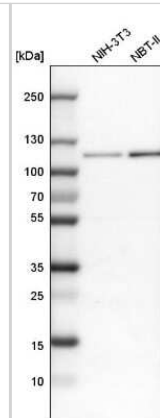
Immunocytochemistry/Immunofluorescence: BICD2 Antibody [NBP1-81488] - Staining of human cell line U-2 OS shows localization to plasma membrane and cytosol. Antibody staining is shown in green.



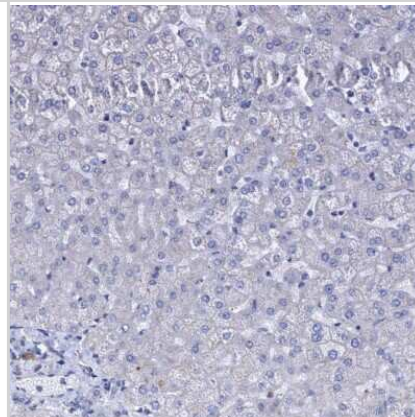
Western Blot: BICD2 Antibody [NBP1-81488] - Analysis in human cell line U-2197.



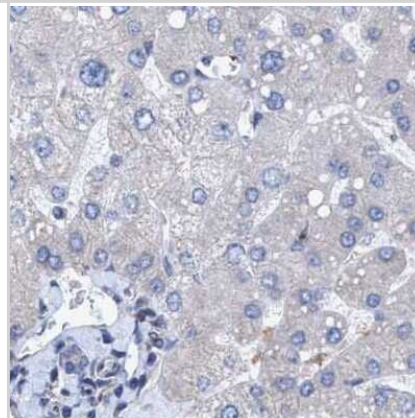
Western Blot: BICD2 Antibody [NBP1-81488] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Immunohistochemistry-Paraffin: BICD2 Antibody [NBP1-81488] - Staining of human liver shows low expression as expected.



Immunohistochemistry-Paraffin: BICD2 Antibody [NBP1-81488] - Staining of human liver using Anti-BICD2 antibody NBP1-81488.



## Publications

Lee HJ, Jung YH, Oh JY et al. BICD1 mediates HIF1a nuclear translocation in mesenchymal stem cells during hypoxia adaptation. Cell Death Differ. 2018-11-21 [PMID: 30464225] (WB, Human)



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### **Products Related to NBP1-81488**

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NBP1-81488PEP	BICD2 Recombinant Protein Antigen
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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