

# Product Datasheet

## DIAPH-2 Antibody - BSA Free

### NBP1-85217

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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**NBP1-85217**

DIAPH-2 Antibody - BSA Free

| Product Information     |                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size               | 0.1 ml                                                                                                           |
| Concentration           | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| Clonality               | Polyclonal                                                                                                       |
| Preservative            | 0.02% Sodium Azide                                                                                               |
| Isotype                 | IgG                                                                                                              |
| Purity                  | Immunogen affinity purified                                                                                      |
| Buffer                  | PBS (pH 7.2) and 40% Glycerol                                                                                    |
| Target Molecular Weight | 126 kDa                                                                                                          |

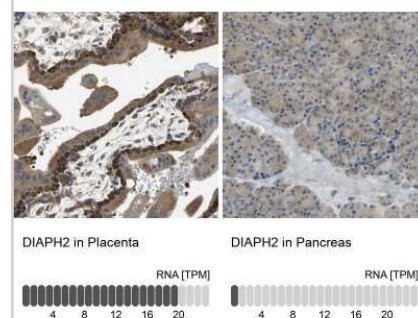
| Product Description |                                                                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit DIAPH-2 Antibody - BSA Free (NBP1-85217) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-DIAPH-2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                                                                  |
| Gene ID             | 1730                                                                                                                                                                                                                                                    |
| Gene Symbol         | DIAPH2                                                                                                                                                                                                                                                  |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                                                       |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>GGSEEPGGGRSNKRSAGNRAANEEETKNKPKLNIQIKTLADDVRDRITSFRKS<br>TVKKEKPLIQHPIDSQVAMSEFPAAQPLYDERSLNLSEKEVLDLFEKMMEDMNL<br>NEEKKAPLRNKDFTTKREMVVQYISAT                 |

| Product Application Details |                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                                   |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000         |
| Application Notes           | ICC/IF, WB reported in scientific literature (PMID: 27922008). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. |

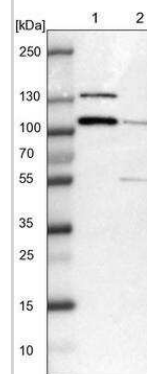


## Images

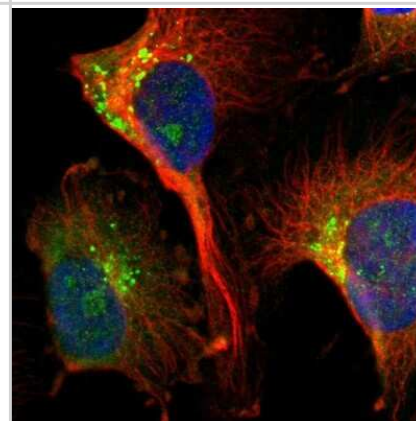
Immunohistochemistry-Paraffin: DIAPH-2 Antibody [NBP1-85217] - Staining in human placenta and pancreas tissues using anti-DIAPH2 antibody. Corresponding DIAPH2 RNA-seq data are presented for the same tissues.



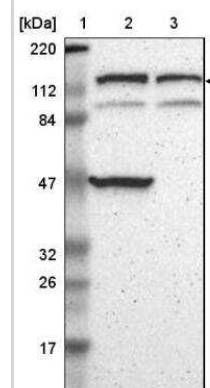
Western Blot: DIAPH-2 Antibody [NBP1-85217] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



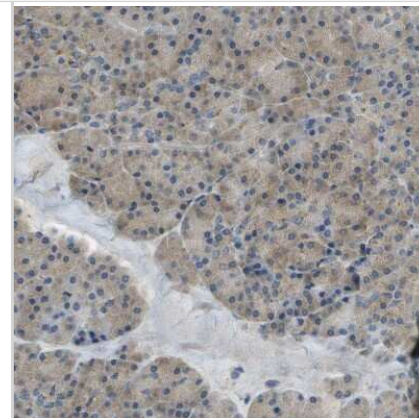
Immunocytochemistry/Immunofluorescence: DIAPH-2 Antibody [NBP1-85217] - Staining of human cell line U-251 MG shows localization to nucleoli, endoplasmic reticulum and vesicles. Antibody staining is shown in green.



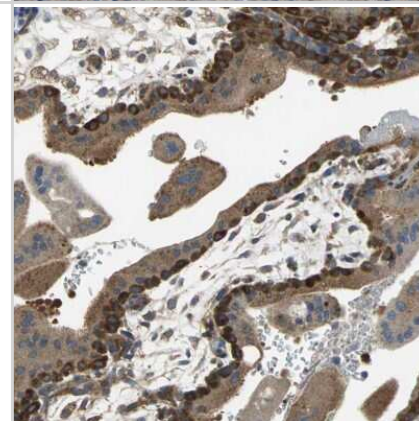
Western Blot: DIAPH-2 Antibody [NBP1-85217] - Lane 1: Marker [kDa] 220, 112, 84, 47, 32, 26, 17. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



Immunohistochemistry-Paraffin: DIAPH-2 Antibody [NBP1-85217] - Staining of human pancreas shows low expression as expected.



Immunohistochemistry-Paraffin: DIAPH-2 Antibody [NBP1-85217] - Staining of human placenta shows high expression.



## Publications

Erasmus JC, Bruche S, Pizarro L et al. Defining functional interactions during biogenesis of epithelial junctions. Nat Commun. 2016-12-06 [PMID: 27922008] (ICC/IF, WB, Human)

Shinohara R, Thumkeo D, Kamijo H et al. A role for mDia, a Rho-regulated actin nucleator, in tangential migration of interneuron precursors. Nat Neurosci 2012-01-01 [PMID: 22246438]



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### **Products Related to NBP1-85217**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-85217PEP | DIAPH-2 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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