

# 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**

<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
<b>Target Molecular Weight</b>	126 kDa

**Product Description**

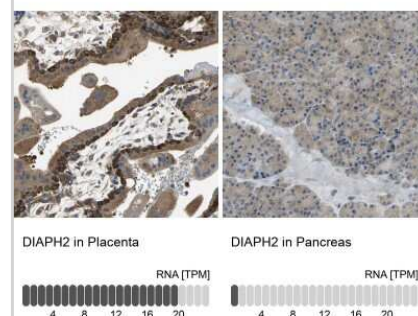
<b>Host</b>	Rabbit
<b>Gene ID</b>	1730
<b>Gene Symbol</b>	DIAPH2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: GGSEEPGGGRSNKRSAGNRAANEEETKNKPKLNIQIKTLADDVRDRITSFRKS TVKKEKPLIQHPIDSQVAMSEFPAAQPLYDERSLNLSEKEVLDLFEKMMEDMNL NEEKKAPLRNKDFTTKREMVVQYISAT

**Product Application Details**

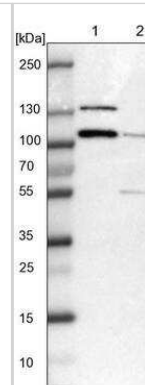
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	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**

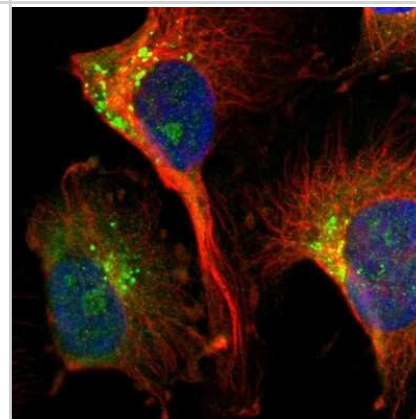
Immunohistochemistry-Paraffin: DIAPH-2 Antibody [NBP1-85217] - Staining in human placenta and pancreas tissues using anti-DIAPH2 antibody. Corresponding DIAPH2 RNA-seq data are presented for the same tissues.



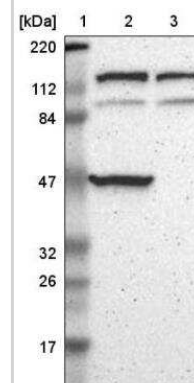
Western Blot: DIAPH-2 Antibody [NBP1-85217] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



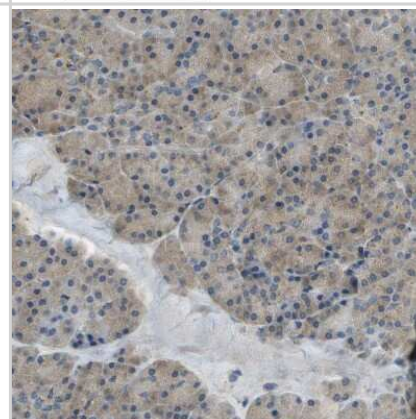
Immunocytochemistry/Immunofluorescence: DIAPH-2 Antibody [NBP1-85217] - Staining of human cell line U-251 MG shows localization to nucleoli, endoplasmic reticulum and vesicles. Antibody staining is shown in green.



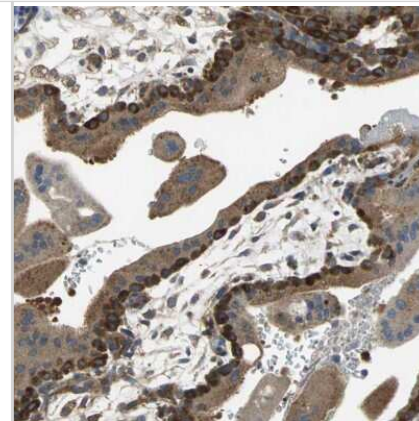
Western Blot: DIAPH-2 Antibody [NBP1-85217] - Lane 1: Marker [kDa] 220, 112, 84, 47, 32, 26, 17. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



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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