

# Product Datasheet

## FZR1/CDH1 Antibody NBP2-15840

Unit Size: 0.1 ml

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

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**NBP2-15840**

FZR1/CDH1 Antibody

**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>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	55 kDa

**Product Description**

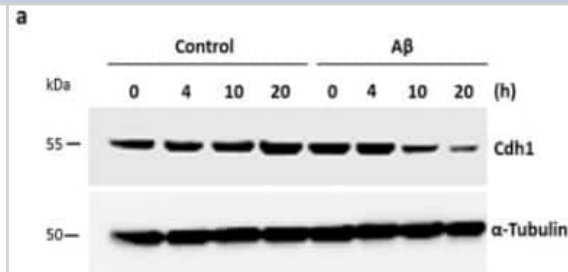
<b>Host</b>	Rabbit
<b>Gene ID</b>	51343
<b>Gene Symbol</b>	FZR1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Xenopus laevis (90%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human FZR1/CDH1. The exact sequence is proprietary.

**Product Application Details**

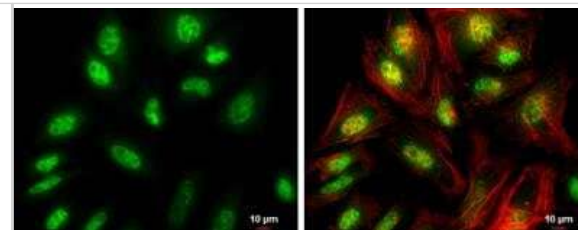
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

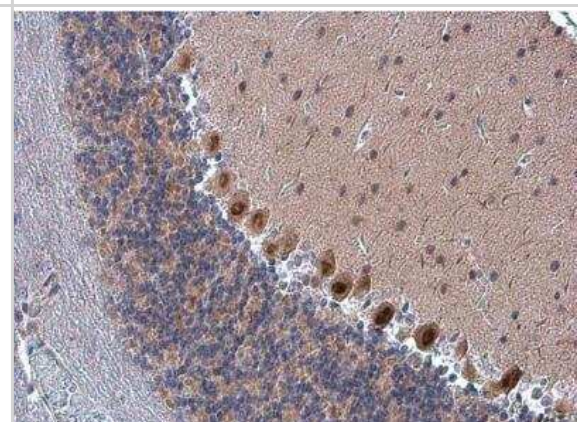
Western Blot: FZR1/CDH1 Antibody [NBP2-15840] - Cdh1 decreases upon Abeta treatment in neurons. Representative Western blot image of cdh1 after different time points in control conditions or with Abeta treatment. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep31158>), licensed under a CC-BY license.



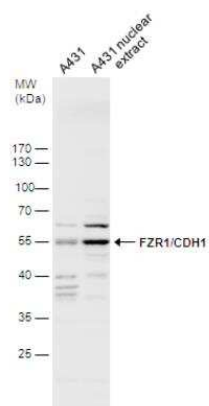
**Immunocytochemistry/Immunofluorescence: FZR1/CDH1 Antibody [NBP2-15840]** - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: FZR1 protein stained by FZR1 antibody diluted at 1:500. Red: Phalloidin, a cytoskeleton marker, diluted at 1:100. Scale bar = 10  $\mu$ m.



**Immunohistochemistry-Paraffin: FZR1/CDH1 Antibody [NBP2-15840]** - Mouse brain. FZR1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



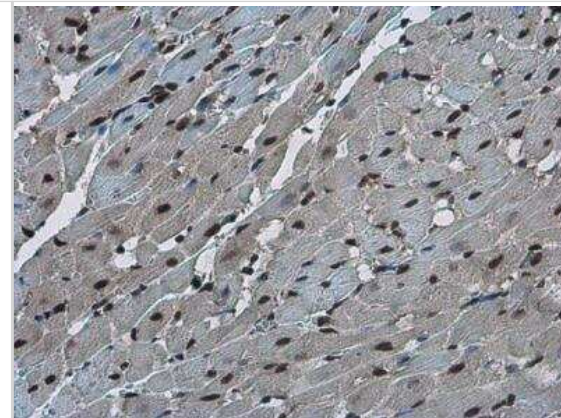
**Western Blot: FZR1/CDH1 Antibody [NBP2-15840]** - A431 whole cell and nuclear extracts (30  $\mu$ g) were separated by 10% SDS-PAGE, and the membrane was blotted with FZR1/CDH1 antibody diluted at 1:1000.



**Immunohistochemistry-Paraffin: FZR1/CDH1 Antibody [NBP2-15840]** - Mouse heart. FZR1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: FZR1/CDH1 Antibody [NBP2-15840] - Rat heart. FZR1 antibody (GTX111200) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



## Publications

Yamada C, Morooka A, Miyazaki S et al. TORC1 inactivation promotes APC/C-dependent mitotic slippage in yeast and human cells iScience 2021-12-01 [PMID: 35141499]

Rahman MT, Muppala S, Wu J et al. Inhibition of neddylation causes meiotic arrest in mouse oocyte Cell Cycle 2019-05-21 [PMID: 31111756] (Mouse)

Kim, W;Cho, YS;Wang, X;Park, O;Ma, X;Kim, H;Gan, W;Jho, EH;Cha, B;Jeung, YJ;Zhang, L;Gao, B;Wei, W;Jiang, J;Chung, KS;Yang, Y; Hippo signaling is intrinsically regulated during cell cycle progression by APC/CCdh1 Proc. Natl. Acad. Sci. U.S.A. 2019-04-18 [PMID: 31000600] (WB, Human)

Li Z, Zhang B, Yao W et al. APC-Cdh1 Regulates Neuronal Apoptosis Through Modulating Glycolysis and Pentose-Phosphate Pathway After Oxygen-Glucose Deprivation and Reperfusion. Cell. Mol. Neurobiol. 2018-11-20 [PMID: 30460429] (WB)

T. Fuchsberger, S. Martinez-Bellver, E. Giraldo A Induces Excitotoxicity Mediated by APC/C-Cdh1 Depletion That Can Be Prevented by Glutaminase Inhibition Promoting Neuronal Su. Nature.com 2016-08-12 [PMID: 27514492] (WB, IF/IHC, ICC/IF, Rat)



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### **Products Related to NBP2-15840**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00051343-P01-10ug	Recombinant Human FZR1/CDH1 GST (N-Term) Protein

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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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