

# Product Datasheet

## Presenilin-1 Antibody (APS 11)

### NB300-749

Unit Size: 200ug

Store at -20C. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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**NB300-749****Presenilin-1 Antibody (APS 11)**

<b>Product Information</b>	
<b>Unit Size</b>	200ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	APS 11
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS with 1 mg/ml BSA

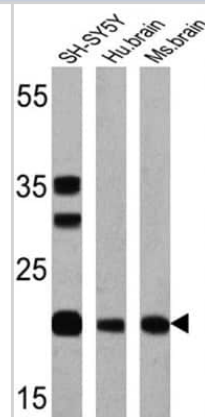
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	5663
<b>Gene Symbol</b>	PSEN1
<b>Species</b>	Human, Mouse, Rat, Primate
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Specificity/Sensitivity</b>	No cross-reactivity is seen with presenilin 2.
<b>Immunogen</b>	Synthetic peptide corresponding to residues C H(21) L S N T V R S Q N D N R E (34) of human PS1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:100 - 1:1000, ELISA 4.5 ug/ml, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 0.75 ug/ml, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 0.75 ug/ml
<b>Application Notes</b>	IHC-P: Staining of both the human brain plaque core and dystrophic neurites. WB: Detects an approx. 28 kDa protein representing PS1 N-terminus cleavage product.



## Images

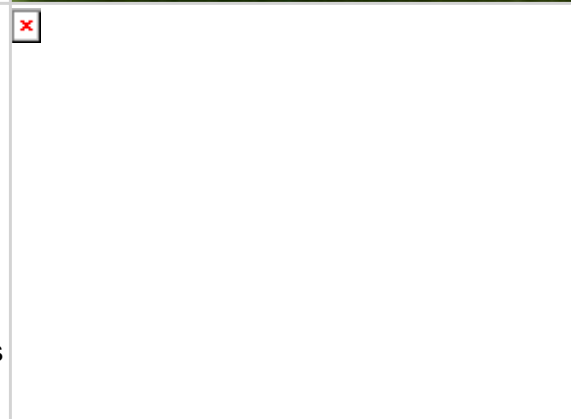
Western Blot: Presenilin-1 Antibody (APS 11) [NB300-749] - Analysis of 25 ug of SH-SY5Y (lane 1), human brain (lane 2) and mouse brain (lane 3).



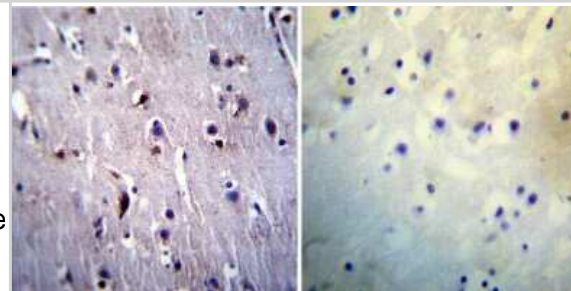
Immunocytochemistry/Immunofluorescence: Presenilin-1 Antibody (APS 11) [NB300-749] - Mouse fibroblasts.



Immunohistochemistry-Paraffin: Presenilin-1 Antibody (APS 11) [NB300-749] - Immunohistochemistry was performed on normal biopsies of deparaffinized Human liver tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Presenilin 1 or without primary antibody (negative control) overnight at 4C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry-Paraffin: Presenilin-1 Antibody (APS 11) [NB300-749] - Immunohistochemistry was performed on normal biopsies of deparaffinized Human brain tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a mouse monoclonal antibody recognizing Presenilin 1 or without primary antibody (negative control) overnight at 4C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Tissues were counterstained with hematoxylin and prepped for mounting.



## Publications

Scarpi D, Cirelli D et al. Low molecular weight, non-peptidic agonists of TrkA receptor with NGF-mimetic activity. Cell Death Dis 2012-05-07 [PMID: 22764098] (WB, Rat)

Scarpi D, Cirelli D, Matrone C et al. Low molecular weight, non-peptidic agonists of TrkA receptor with NGF-mimetic activity Cell Death Dis 2012-09-06 [PMID: 22951986] (WB, Rat)





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### **Products Related to NB300-749**

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NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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