

PSEN2 Monoclonal Antibody (APS 26)

Product Details	
Size	200 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	APS 26
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues C L(317) P Y D P E M E E D S Y D S F G E P(334) of human PS2.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325093

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
ELISA (ELISA)	4.5 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	1 Publication

Product Specific Information

MA1-754 detects presenilin 2 protein (PS2) from rat, mouse, human, and nonhuman primate samples. No cross-reactivity is seen with presenilin 1.

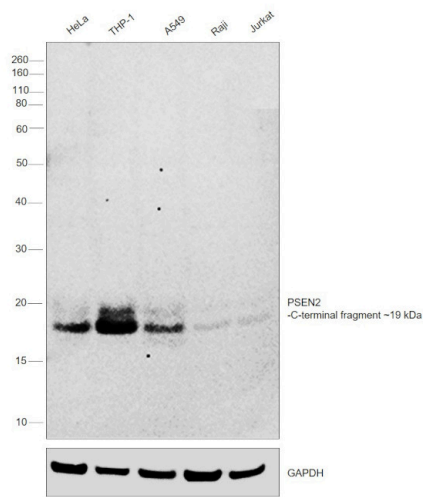
MA1-754 has successfully been used in immuno-fluorescence, immunocytochemistry, Western blot and ELISA procedures. By Western blot, this antibody detects an ~20 kDa protein representing PS2 CT (C-terminal fragment) and the ~45 kDa full-length PS2 from transfected COS-7 cells. In 4% paraformaldehyde fixed RAW cells, MA1-754 showed specific Golgi and ER labeling.

The MA1-754 immunogen is a synthetic peptide corresponding to residues C L(317) P Y D P E M E E D S Y D S F G E P(334) of human PS2.

Product Images For PSEN2 Monoclonal Antibody (APS 26)

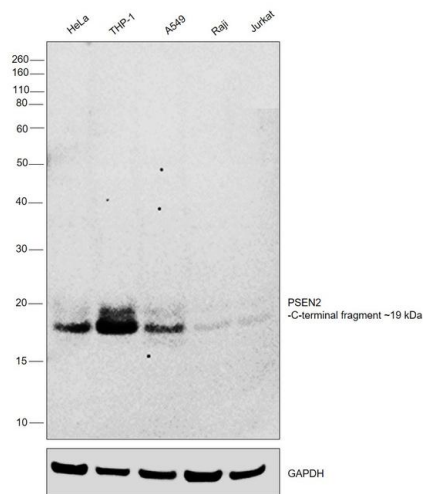
PSEN2 Antibody (MA1-754)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of PSEN2 was observed in THP-1 when compared to Raji and Jurkat using Anti-PSEN2 Monoclonal Antibody (APS 26) (Product # MA1-754) in Western Blot. {RE}



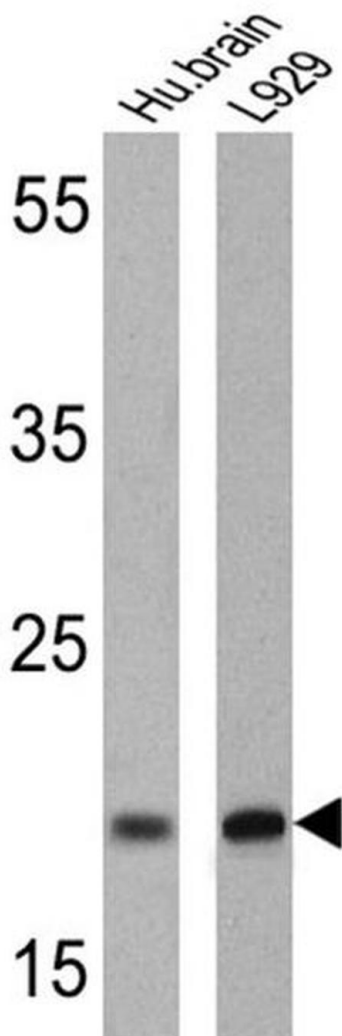
PSEN2 Antibody (MA1-754) in WB

Western blot was performed using Anti-PSEN2 Monoclonal Antibody (APS 26) (Product # MA1-754) and a 17kDa band corresponding to C-terminal fragment of PSEN2 was observed across cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), THP-1 (Lane 2), A549 (Lane 3), Raji (Lane 4), Jurkat (Lane 5) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0301BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



PSEN2 Antibody (MA1-754) in WB

Western blot analysis of Presenilin 2 was performed by loading 25 µg of human brain (lane 1) and L929 (lane 2) onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a Presenilin 2 monoclonal antibody (Product # MA1-754) at a dilution of 1:200 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~20 kDa.



[View more figures on thermofisher.cn](https://thermofisher.cn)

1 Reference

Immunoprecipitation (1)

The Journal of biological chemistry

Abrogation of the presenilin 1/beta-catenin interaction and preservation of the heterodimeric presenilin 1 complex following caspase activation.

"MA1-754 was used in immunoprecipitation to investigate the impacts of caspase activation on heterodimeric presenilin 1 complex and the interaction between PS1 and beta-catenin"

Authors: Tesco G, Kim TW, Diehlmann A, Beyreuther K, Tanzi RE

Year
1998

Species
Human

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.