

Rabbit anti-Human PSEN1 Polyclonal Antibody | anti-PSEN1 antibody

Anti-PSEN1 Antibody, Rabbit Polyclonal

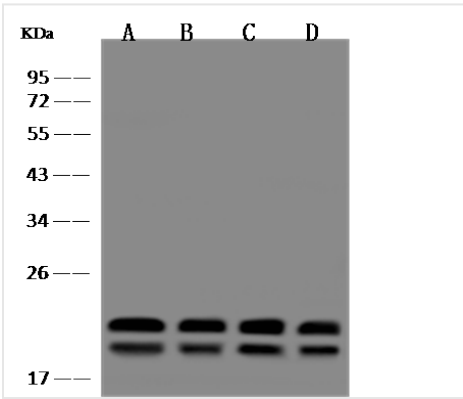
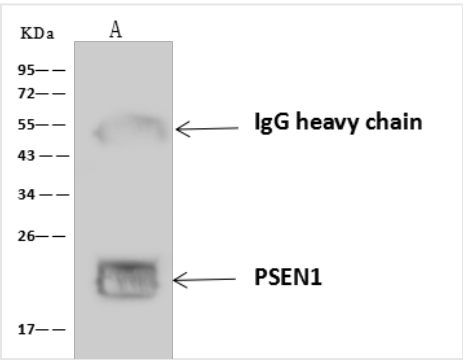
CATALOG # AAA256638	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PSEN1; Polyclonal Antibody; Anti-PSEN1 Antibody; Rabbit Polyclonal; PSEN1 Antibody; Rabbit PAb; Antigen Affinity Purified; presenilin 1; Anti-AD3 Antibody; Anti-FAD Antibody; Anti-PS-1 Antibody; Anti-PS1 Antibody; Anti-S182 Antibody; anti-PSEN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSEN1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSEN1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PSEN1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSEN1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
PSEN1 was immunoprecipitated using: Lane A: 0.5 mg HEK293 Whole Cell Lysate 4 uL anti-PSEN1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PSEN1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 20 kDa. Observed band size: 20 kDa.

WB (Western Blot)
Anti-PSEN1 rabbit polyclonal antibody at 1:500 dilution. Lane A: HL60 Whole Cell Lysate. Lane B: Jurkat Whole Cell Lysate. Lane C: HEK293 Whole Cell Lysate. Lane D: HeLa Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSEN1 antibody	Presenilin 1 (PSEN1) encodes the catalytic subunit of gamma-secretase, the mutation E280A in PSEN1 is the most common cause of early-onset familial Alzheimer's Disease (fAD). It presents autosomal dominant inheritance and frequently leads to the manifestation of the disease in relatively young individuals. The familial form of Alzheimer's disease (FAD), which is caused by mutations in PSEN1 and amyloid precursor protein (APP) genes, represents less than 5% of all AD cases and has an early-onset. PSEN1 has been reported to have mutations in dilated cardiomyopathy pedigrees. Dynamic regulation and abnormal function of PSEN1 underlie the pathogenesis of cardiovascular diseases due to ultrastructural abnormality of cardiomyocytes.
Product Categories/Family for anti-PSEN1 antibody	Notch Pathway
References	Vallejo-Diez S, et al. (2019) Generation of one ipsc line (imedai006-a) from an early-onset familial alzheimer's disease (fad) patient carrying the e280a mutation in the psen1 gene. Stem Cell Res 37 101440. Sproul AA, et al. (2014) Characterization and molecular profiling of psen1 familial alzheimer's disease ipsc-derived neural progenitors. PLoS One 9 (1): e84547. Frederiksen HR, et al. (2019) Generation of two isogenic ipsc lines with either a heterozygous or a homozygous e280a mutation in the psen1 gene. Stem Cell Res 35 101403. Diaz-Guerra E, et al. (2019) Generation of an integration-free ipsc line, iccsici006-a, derived from a male alzheimer's disease patient carrying the psen1-g206d mutation. Stem Cell Res 40 101574.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.