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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58941_P050-HRP
Product Page	www.avivasysbio.com/psen1-antibody-middle-region-hrp-arp58941-p050-hrp.html
Name	PSEN1 Antibody - middle region : HRP (ARP58941_P050-HRP)
Protein Size (# AA)	467 amino acids
Molecular Weight	53kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5663
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Presenilin 1
Alias Symbols	AD3, FAD, PS1, PS-1, S182, ACNINV3
Peptide Sequence	Synthetic peptide located within the following region: EGDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEWEAQRDSHLG
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; PSEN2) or in the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor, such that they either directly regulate gamma-secretase activity or themselves are protease enzymes. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene, the full-length nature of only some have been determined.
Protein Interactions	UBC; TRAF6; TGFBR1; ERLIN2; PSMB1; PSMA5; ETFA; TDP2; PSEN2; PSEN1; APH1B; PSENE1; APH1A; NCSTN; ITSN2; PDCD4; KANK2; EPB41L3; CDC37; TUBA1B; AP1M2; UMPS; PRDX2; ST13; SCN1A; RHEB; RAD23A; RAB3A; OXCT1; NOS3; NDUFS8; HMGB1; GCDH; GAPDH; FGF13; ENSA; DTNA;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PSEN1 (ARP58941_P050-HRP) antibody
Blocking Peptide	For anti-PSEN1 (ARP58941_P050-HRP) antibody is Catalog # AAP58941 (Previous Catalog # AAPP44888)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSEN1
Uniprot ID	P49768
Protein Name	Presenilin-1
Sample Type Confirmation	PSEN1 is strongly supported by BioGPS gene expression data to be expressed in 721_B
Protein Accession #	NP_000012
Purification	Affinity Purified
Nucleotide Accession #	NM_000021
Gene Symbol	PSEN1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit

Application	IHC, IP, WB
Predicted Homology Based on Immunogen Sequence	Cow: 86%; Dog: 86%; Guinea Pig: 100%; Horse: 86%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 85%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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