

bs-23379R**[Primary Antibody]****A β 1-42 (CT) Rabbit pAb****BioSS**
ANTIBODIES

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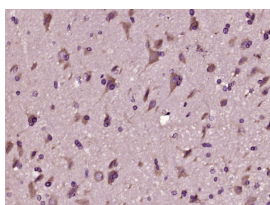
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 351	SWISS: P05067	IF (1:100-500)
Target: A β 1-42 (CT)		Reactivity: Human
Immunogen: KLH conjugated synthetic peptide derived from human A β 1-42 (CT): 37-42/42. < Cytoplasmic >		
Purification: affinity purified by Protein A		Predicted MW.: 4.4 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The cerebral and vascular plaques associated with Alzheimer's disease are mainly composed of Amyloid beta peptides. beta Amyloid is derived from cleavage of the Amyloid precursor protein and varies in length from 39 to 43 amino acids. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides result from cleavage of Amyloid precursor protein after residues 40, 42, and 43, respectively. The cleavage takes place by gamma-secretase during the last Amyloid precursor protein processing step. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides are major constituents of the plaques and tangles that occur in Alzheimer's disease. beta Amyloid antibodies and peptides have been developed as tools for elucidating the biology of Alzheimer's disease.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (A β 1-42 (C-t)) Polyclonal Antibody, Unconjugated (bs-23379R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=7.9]** Tiantian Ye. et al. Borneol regulates meningeal lymphatic valve plasticity to clear A β aggregates in the prevention of AD-like symptoms. PHYTOMEDICINE. 2024 May;;155753 IF ;Mouse. 38795693
- **[IF=5.735]** Xianan Dong. et al. Ginsenoside Rg1 treatment protects against cognitive dysfunction via inhibiting PLC-CN-NFAT1 signaling in T2DM mice. J GINSENG RES. 2022 Dec;; IF ;Mouse. 10.1016/j.jgr.2022.12.006

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=6.1]** Tang Yong. et al. Activation of autophagy by Citri Reticulatae Semen extract ameliorates amyloid-beta-induced cell death and cognition deficits in Alzheimer' s disease. NEURAL REGEN RES. 2024 Jan;;10.4103/NRR.NRR IF ;Mouse. 10.4103/NRR.NRR-D-23-00954
- **[IF=5.59]** Sun, Zhenghao. et al. SOCE-mediated NFAT1–NOX2–NLRP1 inflammasome involves in lipopolysaccharide-induced neuronal damage and A β generation. Mol Neurobiol. 2022 Mar;;1-23 WB ;Mouse. 35286582
- **[IF=5.714]** Liu Yang. et al. Stress level of glucocorticoid exacerbates neuronal damage and A β production through activating NLRP1 inflammasome in primary cultured hippocampal neurons of APP-PS1 mice. INT IMMUNOPHARMACOL. 2022 Sep;110:108972 IF ;Mouse. 35777263