

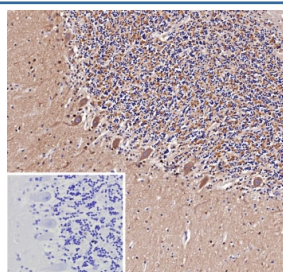
Recombinant Amyloid beta Antibody / APP [clone APP/9971R] (V5746)

Catalog No.	Formulation	Size
V5746-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5746-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5746SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

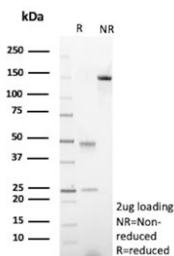
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	APP/9971R
Purity	Protein A affinity
UniProt	P05067
Localization	Membrane, cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Amyloid beta antibody is available for research use only.



IHC staining of FFPE human brain tissue with recombinant Amyloid beta antibody (clone APP/9971R). Inset: PBS used in place of primary Ab (secondary Ab negative control).
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Amyloid beta antibody (clone APP/9971R) as confirmation of integrity and purity.

Description

Proteolytic cleavage of the Amyloid protein precursor (APP) gives rise to the beta-Amyloid and Amyloid A4 proteins, which are present in human platelets. Amyloid deposition is associated with type II diabetes, Down syndrome and a variety of neurological disorders, including Alzheimer s disease. The Amyloid precursor protein (APP) undergoes alternative splicing, resulting in several isoforms. Proteolytic cleavage of APP leads to the formation of the 4 kDa Amyloid beta/A4 Amyloid protein. This protein is involved in the formation of neurofibrillary tangles and plaques that characterize the senile plaques of Alzheimer s patients. APLP1 (Amyloid precursor-like protein 1) and APLP2 are structurally similar to APP. Human APLP2 is a membrane-bound sperm protein that contains a region highly homologous to the transmembrane-cytoplasmic domains of APP found in brain plaques of Alzheimer s disease patients.

Application Notes

Optimal dilution of the recombinant Amyloid beta antibody should be determined by the researcher.

Immunogen

A portion of amino acids 500-700 from human APP protein was used as the immunogen for the recombinant Amyloid beta antibody.

Storage

Aliquot the recombinant Amyloid beta antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.