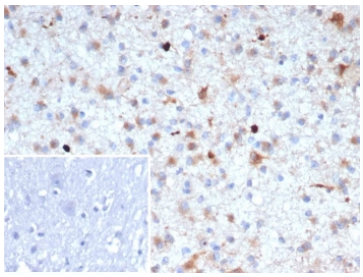
# Beta Amyloid Antibody APP/4469 / APP Mouse Monoclonal Antibody [clone APP/4469] (V5428)

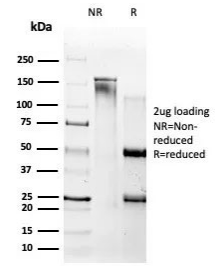
| Catalog No. | Formulation | Size |
|---|---|---|
| V5428-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5428-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5428SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

## Bulk quote request

| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | APP/4469 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P05067 |
| **Localization** | Cell membrane, cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This Beta Amyloid Antibody APP/4469 antibody is available for research use only. |



Beta Amyloid Antibody APP/4469 Immunohistochemistry Analysis. IHC staining of FFPE human brain tissue with Beta Amyloid antibody (clone APP/4469). 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 Beta Amyloid antibody (clone APP/4469) as confirmation of integrity and purity.

## Description

Proteolytic cleavage of the Amyloid protein precursor (APP) gives rise to the b-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 b/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.

For a monoclonal targeting the same protein family and amyloid-associated region, see our Amyloid Beta Antibody APP/3345 / Beta Amyloid Antibody page.

## Application Notes

Optimal dilution of the Beta Amyloid Antibody APP/4469 should be determined by the researcher.

## Immunogen

A portion of amino acids 1-100 of the amyloid beta protein was used as the immunogen for the Beta Amyloid antibody. This antibody recognizes an epitope in the region of amino acids 8-16 of the amyloid precursor protein.

## Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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