

Store at
-20C
#85314 **β -Amyloid Antibody Sampler Kit**
Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

1 Kit (7 x 20 microliters)

For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
APP Antibody	2452	20 μ l	100 to 140 kDa	Rabbit
β -Amyloid (1-42) (D3E10) Rabbit mAb	12843	20 μ l	4 kDa	Rabbit
β -Amyloid (1-40) (D8Q7I) Rabbit mAb	12990	20 μ l	4 kDa	Rabbit IgG
β -Amyloid (1-37) (D2A6H) Rabbit mAb	12467	20 μ l	4 kDa	Rabbit IgG
β -Amyloid (1-39) (D5Y9L) Rabbit mAb	12077	20 μ l	4 kDa	Rabbit IgG
β -Amyloid (D54D2) XP [®] Rabbit mAb	8243	20 μ l	5 kDa	Rabbit IgG
β -Amyloid (pE3 Peptide) (D5N5H) Rabbit mAb	14975	20 μ l	4 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 μ l		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The β -Amyloid Antibody Sampler Kit provides an economical means of detecting APP and APP unmodified/modified fragments using total and fragment-specific antibodies. The kit includes enough antibody to perform two western blot experiments with each primary antibody.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C . Do not aliquot the antibody.

Background

Amyloid β (A β) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that exists as several isoforms (1). The amino acid sequence of APP contains an amyloid domain, which can be processed and released by two-step proteolytic cleavage (1). The extracellular deposition and accumulation of the released A β fragments form the main components of amyloid plaques in Alzheimer's disease (1). Several fragments corresponding to progressive APP processing at alternative cleavage sites have been identified (2). These include A β (1-37), A β (1-39), A β (1-40), and A β (1-42) (2). These fragments can also be N-terminally modified to generate pyroglutamate-3 A β (pE3-peptide) (3). Fragment-specific and pan-A β antibodies are used to detect and examine relative levels of individual A β fragments.

Background References

- Selkoe, D.J. (1996) *J Biol Chem* 271, 18295-8.
- Selkoe, D.J. and Hardy, J. (2016) *EMBO Mol Med* 8, 595-608.
- Saido, T.C. et al. (1995) *Neuron* 14, 457-66.

Trademarks and Patents

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

Limited Uses

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not

sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.