

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES

Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

AP00763PU-N OriGene EU

Acris Antibodies GmbH

Schillerstr. 5 32052 Herford GERMANY

Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Polyclonal Antibody to Neuroketal - Serum

Alternate names: Gamma ketoaldehyde

Catalog No.: AP00763PU-N

Quantity: 1 ml

Background: The pathogenesis of many neurodegenerative diseases can be attributed to oxidative

stress and protein aggregation. Patients of Alzheimer's disease show increased brain levels of neuroprostanes, compounds derived from the oxidation of docosahexaenoic acid. The Neuroketals, in such oxidative environments, are products of the neuroprostane pathway and are a species of highly reactive gamma-ketoaldehydes that rapidly adduct to

lysine residues of proteins, causing cross-linking.

Host: Goat

Immunogen: Neuroketal conjugate

Format: State: Liquid serum containing 0,09% sodium azide

Applications: ELISA using immunizing peptide: 1:4,000.

IHC using paraffin sections: 1:200.

Western blots: 1:2,000.

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

Specificity: This antibody reacts to Neuroketal adducted proteins.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing. Shelf life: one year from despatch.