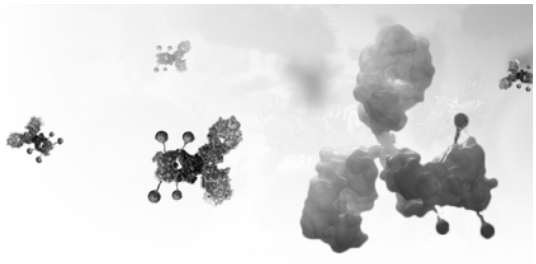

Anti-Neuroketals polyclonal antibody (DPAB1099)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Neuroketal adducted proteins.
Immunogen	Neuroketal conjugate
Source/Host	Goat
Species Reactivity	N/A
Purification	Not applicable.
Conjugate	Unconjugated
Applications	ELISA using immunizing peptide: >1:4,000 IHC using paraffin sections: >1:200 Western blots: >1:2,000 Suitable for use in IHC using frozen sections has not been determined. Each laboratory should determine an optimum working titer for use in its particular application.
Format	Neat, Liquid
Concentration	Not determined.
Size	1 ml
Buffer	Not applicable.
Preservative	None
Storage	Short term store at 2-8°C. Long term store at -20°C.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Introduction	Neuroketals and neuroprostanes are a class of compounds that result from the oxidation of docosahexenoic acid (DHA), which is enriched in the brain and retina, especially the synaptic membranes and retina. DHA is a membrane polyunsaturated fatty acid that is especially vulnerable to free radical attack because hydrogen radicals easily remove its double bonds. The DHA is oxidized to isoprostane-like compounds called neuroprostanes, which can dehydrate to form highly reactive A4/J4 neuroprostanes . Neuroprostanes can also undergo rearrangement to form D- and E-ring neuroprostanes. These reactive neuroprostanes are called neuroketals because DHA is so concentrated in the nervous system.
Keywords	Neuroketals; Gamma ketoaldehydes

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