

Isoprostane Polyclonal Antibody

Isoprostane (8-iso-PGF2a)

CATALOG #
AAA14721

APPLICATIONS
ELISA, Western Blot, Immunohistochemistry

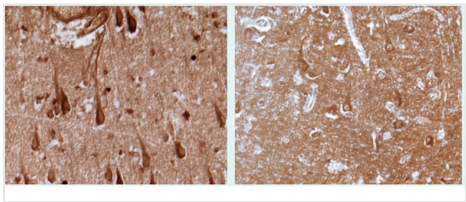
PRODUCT SYNONYMS

Isoprostane; Polyclonal Antibody; Isoprostane (8-iso-PGF2a); Anti -Isoprostane (8-iso-PGF2a); anti-Isoprostane antibody

PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes 8-epi-PGF2a.
Purity/Purification	Purified by ammonium sulfate precipitation.
Form/Format	Supplied as a liquid in TBS.
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-Isoprostane antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Suitable for use in ELISA, Western Blot and Immunohistochemistry. Other applications not tested. Optimal dilutions to be determined by the researcher.
Immunogen	Synthetic 8-epi-PGF2a.
Grade	Purified
Cross-Reactivity	9a,11b-PGF2a: 4.1% 13,14-dihydro-15-keto-PGF2a: 3.0% 9b,11a-PGF2alpha: <0.01% PGF1alpha1a: <0.01% 6-keto-PGF1alpha1a: <0.01% PGE2: <0.01% PGD2: <0.01% Arachidonic Acid: <0.01%.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	May be stored at 4C for short term only. Aliquot to avoid repeated freezing and thawing. Store at -70C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of isoprostane in brain of Alzheimer's disease patient (left). Neurons in the hippocampus stained intensely with AAA14721. Results for age-matched control are shown on the right image.

ADDITIONAL INFORMATION

Related Product Information for anti-Isoprostane antibody	Isoprostanes are prostaglandin-like compounds that are produced by free radical mediated peroxidation of lipoproteins. Levels of 15-isoprostane F2t in biological fluids have been shown to be useful for assessment of oxidant stress in vivo. 15- isoprostane F2t has also been shown to be a potent vasoconstrictor in rat kidneys and rabbit lungs, and plays a causative role in atherogenesis. Elevated isoprostane levels are associated with hepatorenal syndrome, rheumatoid arthritis, atherosclerosis, and carcinogenesis.
Product Categories/Family for anti-Isoprostane antibody	Antibodies; Abs to Proteins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/isoprostane-antibody-western-blot-immunohistochemistry-elisa/14721>