Datasheet: AHP592

Description:	GOAT ANTI 8-HYDROXYGUANOSINE
Specificity:	8-HYDROXYGUANOSINE
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/200
ELISA	▪			1/100,000 - 1/250,000
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Chemical
Product Form	Serum - liquid
Antiserum Preparation	Antisera to 8-Hydroxyguanosine were raised by repeated immunisation of goat with highly purified antigen.
Preservative Stabilisers	0.08% Sodium Azide
Immunogen	8-Hydroxyguanosine - conjugate
RRID	AB_323447
Specificity	**Goat anti 8-Hydroxyguanosine antibody** recognises 8-hydroxyguanosine (8-OG), a

	modified base which occurs in DNA as a result of oxidative stress. 8-hydroxy-2'-deoxyguanosine (8-OHdG) has become a sensitive marker of oxidative damage in cellular DNA and has been reported to be excreted in the urine. Levels of 8-OHdG have been shown to increase on exposure to ionizing radiation and tobacco smoke. Goat anti 8-Hydroxyguanosine antibody cross reacts completely with 8-OHdG. Goat anti 8-Hydroxyguanosine antibody does not cross react with other naturally occurring nucleotides.
References	1. Dwivedi, S. *et al.* (2012) Butachlor induced dissipation of mitochondrial membrane potential, oxidative DNA damage and necrosis in human peripheral blood mononuclear cells Toxicology. 302: 77-87. 2. Dwivedi, S. *et al.* (2012) Characterization of coal fly ash nanoparticles and induced oxidative DNA damage in human peripheral blood mononuclear cells. Sci Total Environ. 437: 331-8.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10342 available at: 10342: https://www.bio-rad-antibodies.com/uploads/MSDS/10342.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) FITC, HRP

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