

Datasheet: AHP1257

Description:	GOAT ANTI 5-HYDROXYMETHYLURIDINE
Specificity:	5-HYDROXYMETHYLURIDINE
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			▪	
ELISA	▪			1/25000
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Serum - liquid

Antiserum Preparation Antisera to 5-hydroxymethyluridine were raised by repeated immunisations of goats with highly purified antigen.

Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Immunogen	5-hydroxymethyluridine.
RRID	AB_877437

Specificity **Goat anti 5-hydroxymethyluridine antibody** recognises 5-hydroxymethyluridine, which

is created by the oxidation of thymine by ionising radiation or reactive oxygen species. This oxidation causes changes in gene expression, mutations and chromosomal instability all of which play a role in cancer, autoimmune disease and aging. 5-hydroxymethyluridine is a potential biomarker for female breast, colon and rectal cancers, being present at elevated levels, possibly due to impaired DNA repair mechanisms.

References	1. Cooney, R. <i>et al.</i> (2001) Association of tocopherols with circulating autoantibody levels against an oxidized DNA nucleoside in humans. Free. Radic. Biol. Med. 31:460-8. 2. Frenkel, K. <i>et al.</i> (1998) Serum autoantibodies recognizing 5-hydroxymethyl-2'-doxyuridine, an oxidized DNA base, as biomarkers of cancer risk in women. Cancer. Epidemiol. Biomarkers Prev. 7:49-57.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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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