

Datasheet

5-Hydroxymethyluridine polyclonal antibody

Catalog Number: PAB13867

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against 5-Hydroxymethyluridine.

Immunogen: 5-Hydroxymethyluridine conjugated with BSA.

Host: Goat

Applications: EIA, ELISA

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: 5-Hydroxymethyl-2-deoxyuridine and 5-Hydroxymethyluridine. Formed from thymidine during the oxidation of DNA by ionizing radiation or reactive oxygen species (ROS) that are formed from inflammatory response. This causes genetic mutations, altered gene expression and chromosomal instability that has generally been implicated with aging, cancers and autoimmune disease. Specificity was determined by competitive ELISA:

Cross-reactivity:

5-Hydroxy-2-deoxyuridine (5-HmdUrd) 100%

5-Hydroxymethyluridine (5-HmUrd) 100%

Thymidine (T) 60%

Hydroxymethyluracil (HmU) 43%

Deoxyuridine (dUrd) 36%

Uridine (Urd) 32%

Uracil (U) 0%

Form: Liquid

Recommend Usage: ELISA (>1:25000)

The optimal working dilution should be determined by the end user.

Storage Buffer: In buffer containing 0.1% sodium azide

Storage Instruction: Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.