

Rabbit Pseudouridine/5-ribosyluracil Monoclonal Antibody

Pseudouridine/5-ribosyluracil Rabbit mAb

CATALOG # AAA283109	HOST Rabbit	REACTIVITY Species independent	APPLICATIONS ELISA, Immunohistochemistry, Dot Blot
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PRODUCT SYNONYMS

Pseudouridine/5-ribosyluracil; Monoclonal Antibody; Pseudouridine/5-ribosyluracil Rabbit mAb; anti-Pseudouridine/5-ribosyluracil antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Species independent
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-Pseudouridine/5-ribosyluracil antibody	ELISA, IHC (Immunohistochemistry), DB (Dot Blot)
Immunogen	Chemical compounds corresponding to Pseudouridine/5-ribosyluracil/Y.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



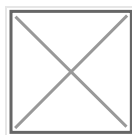
IHC (Immunohistochemisry)

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Pseudouridine / 5-ribosyluracil Rabbit mAb (AAA283109) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



IHC (Immunohiostchemistry)

Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Pseudouridine / 5-ribosyluracil Rabbit mAb (AAA283109) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



DB (Dot Blot)

Dot-blot analysis of different sorts of chemical compounds using Pseudouridine / 5-ribosyluracil Rabbit mAb (AAA283109) at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Pseudouridine/5-ribosyluracil antibody	Pseudouridine (psi) was among the first post-transcriptional modifications discovered and is overall one of the most abundant (1). It is present in a wide range of cellular RNAs and is highly conserved across species. psi is derived from uridine (U) via base-specific isomerization catalyzed by psi synthases. The site-specific pseudouridylation goes through either snoRNA-dependent (requires H/ACA RNP) or -independent mechanism (requires pseudouridine synthase (PUS) family enzymes)(2). It has an extra hydrogen-bond donor at its non-Watson-Crick edge. When incorporated into RNA, psi can alter RNA secondary structure by increasing base stacking, improving base pairing and rigidifying sugar-phosphate backbone5. The chemical and physical properties of RNA can be altered with the incorporation of psi, which could contribute to subsequent cellular functions.
Product Categories/Family for anti-Pseudouridine/5-ribosyluracil antibody	Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	CAS: 1445-07-4
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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/monoclonal/pseudouridine-5-ribosyluracil-antibody-immunohistochemistry-dot-blot-elisa/283109>