

Rabbit Polyethylene Glycol Polyclonal Antibody

Polyethylene Glycol (PEG)

CATALOG # AAA24071	HOST Rabbit	APPLICATIONS Western Blot
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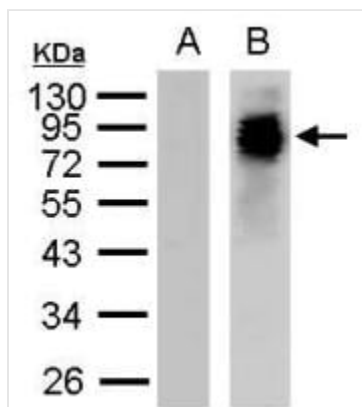
PRODUCT SYNONYMS

Polyethylene Glycol; Polyclonal Antibody; Polyethylene Glycol (PEG); Anti -Polyethylene Glycol (PEG); anti-Polyethylene Glycol antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes PEG. Shows reactivity with chemical samples in Western Blot.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography
Form/Format	Supplied as a liquid in 0.1M Tris, 0.1M glycine, pH 7, 0.01% thimerosal, 20% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Polyethylene Glycol antibody	WB (Western Blot)
Application Notes	Western Blot: 1:5000-1:30,000 Optimal dilutions to be determined by the researcher.
Immunogen	PEG conjugated to KLH
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. 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



WB (Western Blot)

Western Blot analysis of 100ng of PEGylated BSA using AAA24071 at 1:30,000 dilution. A: Normal BSA. B: PEGylated BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-Polyethylene Glycol antibody	Polyethylene glycol PEG is a family of long chain polymers attached to a glycerine backbone. It is a nonionic, nontoxic, biocompatible, strongly hydrophilic polymer, which has a large exclusion volume in aqueous solution. The covalent attachment of PEG is now commonly used to modify a variety of proteins and drugs. The modification of a biopharmaceutical with polyethylene glycol (PEG) increases its hydrodynamic radius, reduces immunogenicity and proteolytic cleavage. Other benefits include decelerated renal excretion, improved stability towards proteolysis and increased solubility of the biopharmaceutical in aqueous solutions. As examples, PEG-adenosine deaminase (Adagen®) is used for the treatment of severe combined immunodeficiency syndrome, PEG-asparaginase (Oncaspar®) is used for the treatment acute lymphoblastic leukemia, PEG-interferon alpha-2a (Pegasys®) is used for the treatment Hepatitis C, Branched PEG-anti-VEGF aptamer (Pegaptanib, Macugen) is used for the treatment Macular degeneration(age-related). An anti-PEG antibody can be used to monitor a drug's pharmacokinetics, including distribution, metabolism and excretion.
Product Categories/Family for anti-Polyethylene Glycol antibody	Antibodies; Abs to Glycols

NCBI AND UNIPROT INFORMATION

NCBI GI #	164605273
NCBI Official Full Name	polyethylene glycol dehydrogenase

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/polyethylene-glycol-antibody-western-blot-elisa/24071>