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Datasheet for ABIN2830995

Recombinant anti-PEG antibody (methoxylated)

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Overview

Quantity:	100 µg
Target:	PEG
Binding Specificity:	methoxylated
Reactivity:	All Species
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This PEG antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH-PEG with terminal methoxy group
Clone:	RM105
Isotype:	IgG
Specificity:	This antibody reacts to lysine-acetylated proteins.
Cross-Reactivity (Details):	No cross reactivity with nonacetylated lysine, and lysine with other modification.
Purification:	Protein A affinity purified from an animal origin-free culture supernatant

Target Details

Target:	PEG
Alternative Name:	PEG (Methoxy Group) (PEG Products)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 1 % BSA and 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12-24 months

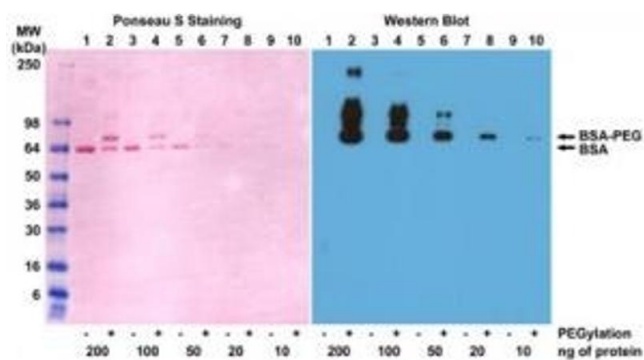
Publications

Product cited in:	<p>Lam, Yan, Xu, U, Cheng, Ho: "Endogenous arginase 2 as a potential biomarker for PEGylated arginase 1 treatment in xenograft models of squamous cell lung carcinoma." in: Oncogenesis, Vol. 8, Issue 3, pp. 18, (2019) (PubMed).</p> <p>Lam, Li, Xu, Leung, U, Zheng, Cheng, Ho: "Growth suppressive effect of pegylated arginase in malignant pleural mesothelioma xenografts." in: Respiratory research, Vol. 18, Issue 1, pp. 80, (2018) (PubMed).</p> <p>Lam, U, Li, Xu, Cheng, Ho: "Inhibition of ornithine decarboxylase 1 facilitates pegylated arginase treatment in lung adenocarcinoma xenograft models." in: Oncology reports, Vol. 40, Issue 4, pp. 1994-2004, (2018) (PubMed).</p> <p>Xu, Lam, Cheng, Ho: "Recombinant human arginase induces apoptosis through oxidative stress and cell cycle arrest in small cell lung cancer." in: Cancer science, Vol. 109, Issue 11, pp. 3471-</p>
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3482, (2018) ([PubMed](#)).

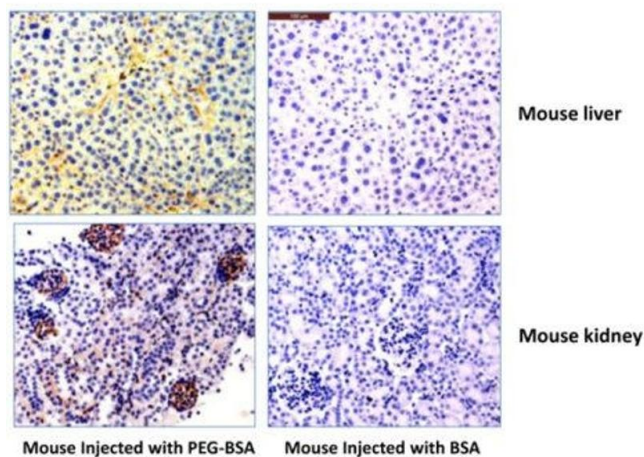
McCallen, Prybylski, Yang, Lai: "Cross-Reactivity of Select PEG-Binding Antibodies to Other Polymers Containing a C-C-O Backbone." in: **ACS biomaterials science & engineering**, Vol. 3, Issue 8, pp. 1605-1615, (2017) ([PubMed](#)).

Images



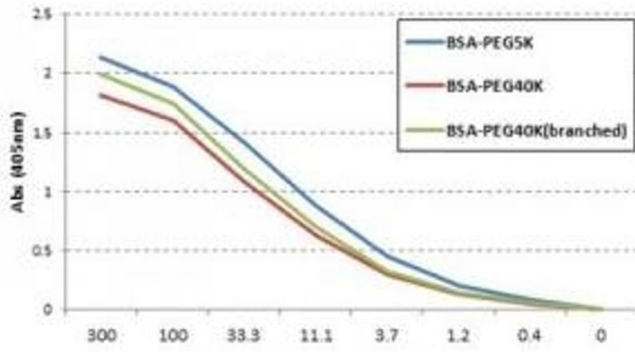
Western Blotting

Image 1. Western blot of BSA and PEGylated BSA (mPEG 5 kDa) using 0.1 ug/mL of anti-PEG RevMAb clone RM105.



Immunohistochemistry

Image 2. Immunohistochemistry of mouse liver and kidney using 0.5 ug/mL of anti-PEG Clone RM105. The mouse was injected with PEG-BSA or BSA for 3 hours before sampling.



ELISA

Image 3. ELISA of three different PEGylated BSAs using anti-PEG clone RM105, followed by an AP conjugated goat anti-rabbit IgG.