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Datasheet for 200-301-DV2

PUMA Antibody [10D4G7]

Overview

Description:	Anti-PUMA (MOUSE) Antibody - 200-301-DV2
Item No.:	200-301-DV2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Rat
Host Species:	Mouse

Product Details

Background:	Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse. PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins termed PUMAa and PUMAb. PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome c release and apoptosis in response to p53. PUMA may be a direct mediator of p53-induced apoptosis.
Synonyms:	PUMA Antibody [10D4G7], JFY1, PUMA, JFY-1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	[10D4G7]
Format:	IgG1

Target Details

Gene Name:	BBC3
Reactivity:	Human, Rat
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-PUMA antibody was produced In mice by repeated immunizations with a recombinant protein corresponding to amino acids 76 - 170 of human PUMA-alpha.
Purity/Specificity:	Anti-PUMA Monoclonal Antibody was Protein A purified. Cross reactivity with PUMA [10D4G7] from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9BXH1 • GeneID - 27113 • NCBI - NP_001120712.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-PUMA Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 21 kDa in Western Blots of specific cell lysates and tissues. Validated in human samples. All other applications and species not yet tested.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:50,000
WB:	2.5-5 µg/mL

Formulation

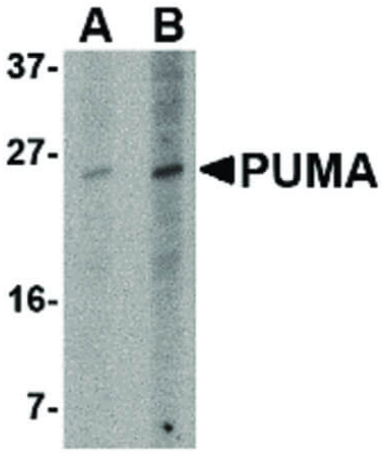
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Mouse anti-PUMA antibody. Lane A: K562 cell lysate at 2.5 µg/mL. Lane B: K562 cell lysate at 5 µg/mL. Primary antibody: PUMA antibody overnight at 4℃. Secondary antibody: Mouse secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 20kDa with 3 isoforms, 25 kDa for PUMA.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.