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Datasheet for 600-401-Y13

ANG Antibody

Overview

Description:	Anti-ANG (RABBIT) Antibody - 600-401-Y13
Item No.:	600-401-Y13
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Angiogenin (ANG or ANG I) is important for the process of neovascularization and formation of new blood vessels. ANG is similar to pancreatic ribonuclease A and functions as a tRNA-specific ribonuclease that abolishes protein synthesis by specifically hydrolyzing cellular tRNAs. It interacts with endothelial cell-surface actin and may cause changes in the cell cytoskeleton. ANG is thought to be involved in the development of solid tumors and its antagonists are capable of inhibiting tumor growth. Defects in ANG are the cause of susceptibility to amyotrophic lateral sclerosis type 9 (ALS9). Angiogenin is a genetic link between ALS and PD.
Synonyms:	ANG Antibody, ALS9, RAA1, HEL168, RNASE4, RNASE5, Angiogenin, Ribonuclease 5, RNase 5
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ANG
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ANG antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human ANG.

Purity/Specificity:	Anti-ANG Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two alternatively spliced transcript variants have been observed.
Relevant Links:	• UniProtKB - P03950 • GeneID - 283 • NCBI - NP_001136

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-ANG Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 17 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1 - 2 µg/mL

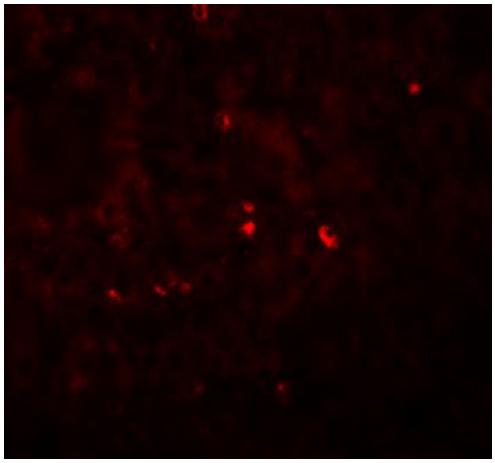
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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

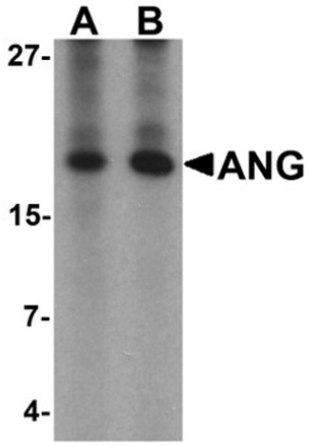
Shipping & Handling

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



Immunofluorescence Microscopy
Immunofluorescence of ANG.
Tissue: human liver tissue.
Primary Antibody: ANG antibody at 20 µg/mL.



Western Blot
Western blot analysis of ANG.
Load: rat liver tissue lysate.
Primary Antibody: Ang antibody at (A) 1 and (B) 2 µg/mL.

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.