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Datasheet for 600-101-282

p33ING1 Antibody

Overview

Description:	Anti-p33 ING1 (GOAT) Antibody - 600-101-282
Item No.:	600-101-282
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	p33 ING1 is a tumor suppressor protein that can induce cell growth arrest and apoptosis. The encoded protein is a nuclear protein that physically interacts with the tumor suppressor protein TP53 and is a component of the p53-signaling pathway. Reduced expression and rearrangement of this gene have been detected in various cancers. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported. The accession number listed below is for variant (4) that encodes the longest isoform (D). Other synonyms for p33 ING1 include p33, p47, p33ING1, p24ING1c, p33ING1b, p47ING1a, growth inhibitor ING1, inhibitor of growth 1, tumor suppressor ING1 and growth inhibitory protein ING1.
Synonyms:	goat anti-p33 ING1 antibody, p33ING1, ING-1, ING 1, Growth inhibitory protein ING1 antibody, Homo sapiens growth inhibitor p33ING1 (ING1) mRNA, complete cds antibody, ING 1 antibody, Inhibitor of growth 1 antibody, Inhibitor of growth family member 1 antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ING1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole Goat serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 275-300 of Human p33 ING1 protein (Inhibitor of growth family, member 1).
Purity/Specificity:	This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase. Reactivity occurs against human p33 ING1 protein and is 100% homologous to all splice variants for ING1. Cross reactivity with p33 ING1 protein from mouse and rat sources is expected based on high homology (one amino acid change in sequence) by BLAST. Reactivity with p33 ING1 proteins from other sources is not known.
Relevant Links:	• UniProtKB - Q9UK53 • NCBI - 38201661 • GeneID - 3621

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity-purified antibody has been tested for use in ELISA and western blotting using over expressed cell lysates. Expect a band approximately 47 kDa, 33 kDa or 24 kDa in size corresponding to variants of ING1 by western blotting in the appropriate cell lysate or extract. Specific conditions for other applications should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:4,000 - 1:14,000
WB:	1:500 - 1:3,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (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

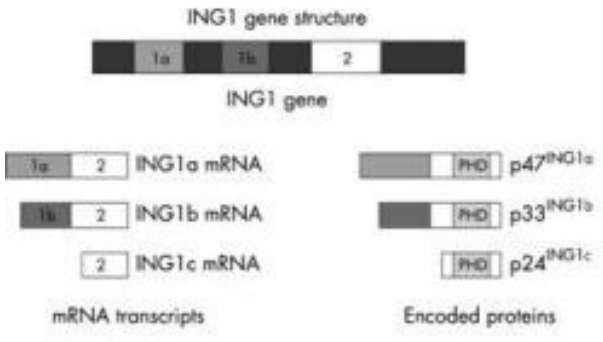
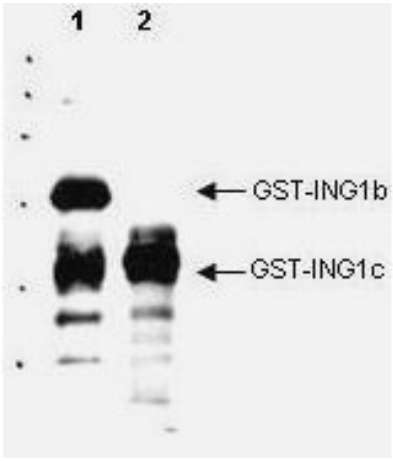


Diagram
ING1 gene structure



Western Blot
Western blot analysis is shown using Rockland's Affinity Purified anti-p33 ING1 antibody to detect over expressed Human ING1 present in cell nuclear extracts. This western blot shows reactivity with purified recombinant GST tagged human ING1b (lane 1, ~33kDa) and ING1c protein (lane 2, ~24kDa). No reactivity is seen against GST or other ING proteins (not shown). Reactivity of this polyclonal antibody is similar to the specificity of a positive control monoclonal antibody (not shown). The blot was incubated with a 1:1,000 dilution of the antibody at room temperature followed by detection using standard techniques. Personal communication Xiaolan Feng, U. Calgary.

Disclaimer

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