

Datasheet for ABIN129552  
**anti-ING5 antibody (AA 127-140)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µg
Target:	ING5
Binding Specificity:	AA 127-140
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ING5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding aa 127-140 of Human p28 ING5protein (Inhibitor of growth family, member 5). This sequence shows homology to and 2 for ING5.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

## Target Details

Target:	ING5
Alternative Name:	p28 ING5 ( <a href="#">ING5 Products</a> )
Background:	P28 ING5 is a tumor suppressor protein similar to ING1 that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in

## Target Details

proteins involved in chromatin remodeling. This protein can bind TP53 and EP300/p300, a component of the histone acetyl transferase complex, suggesting its involvement in TP53-dependent regulatory pathway. Multiple alternatively spliced transcript variants have been observed. The accession number listed below is for variant (1) encodes the longest isoform. Synonyms: ING5 antibody, Inhibitor of growth family member 5 antibody

Gene ID: 84289, 18644730

UniProt: [Q8WYH8](#)

Pathways: [Chromatin Binding](#)

## Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 28 kDa or 26 kDa in size corresponding to variants of ING5 by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1.52 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

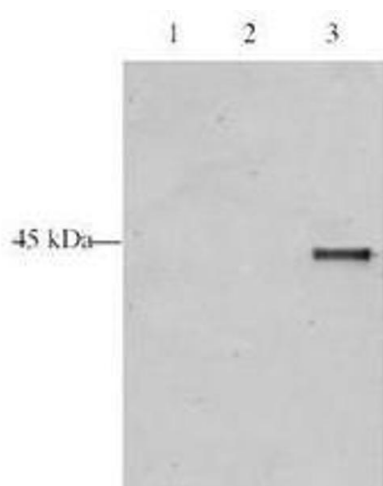
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

## Publications

Product cited in: Saravanan, Sareen, Abu-El-Rub, Ashour, Sequiera, Ammar, Gopinath, Shamaa, Sayed, Moudgil, Vadivelu, Dhingra: "Graphene Oxide-Gold Nanosheets Containing Chitosan Scaffold Improves Ventricular Contractility and Function After Implantation into Infarcted Heart." in: **Scientific reports**, Vol. 8, Issue 1, pp. 15069, (2019) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis is shown using Affinity Purified anti-p28 ING5 antibody to detect over expressed Human ING5 present in HeLa cell nuclear extracts. This western blot shows reactivity with purified recombinant TAP tagged human ING5 protein (lane 3) and does not recognize TAP tagged ING4 on the same membrane (lane 2). A mock purification is shown in lane 1. Comparison to a molecular weight marker (not shown) indicates a single band of ~45.0 kDa corresponding to the expected molecular weight for the recombinant protein. The blot was incubated with a 1:500 dilution of the antibody at room temperature followed by detection using chemiluminescence reagent with a 5-min exposure time. Other detection systems will yield similar results. Personal communication Jacques Cote.