Datasheet for ABIN2777878

anti-ING3 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	ING3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ING3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ING3
Sequence:	LSSGTGAGAI TMAAAQAVQA TAQMKEGRRT SSLKASYEAF KNNDFQLGKE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 75%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against ING3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ING3

Target Details

Alternative Name:	ING3 (ING3 Products)
Background:	ING3 is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This gene can activate p53 trans-activated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has been shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this gene were detected in head and neck cancers.The protein encoded by this gene is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This gene can activate p53 trans-activated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has been shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this gene were detected in head and neck cancers. Two alternatively spliced transcript variants encoding different isoforms have been observed. Alias Symbols: Eaf4, FLJ20089, ING2, p47ING3, MEAF4 Protein Interaction Partner: USHBP1, TRIM54, TEX11, FBXO25, APP, H2AFZ, ELAVL1, NR1H3, NR1H2, DMAP1, MORF4L1, KAT5, RBX1, RUVBL1, CUL1, TRRAP, UBC, SKP2, ACTL6A, EPC1, HHT2, HHT1, MEAF6, EPC2, BRD8, RUVBL2, YEATS4, Protein Size: 418
Molecular Weight:	47 kDa
Gene ID:	54556
NCBI Accession:	NM_019071, NP_061944
UniProt:	Q9NXR8

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 418 AA
Restrictions:	For Research Use only

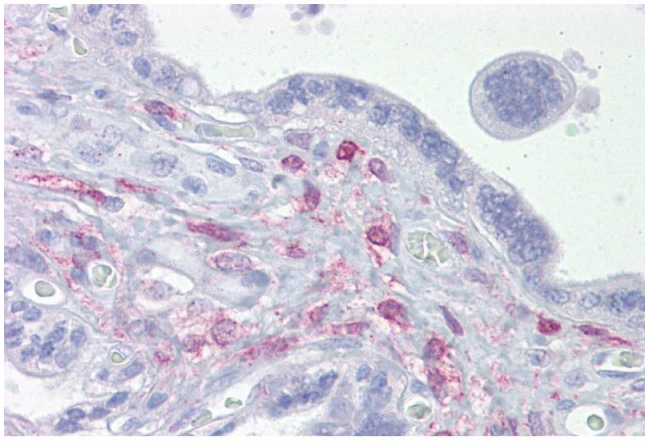
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

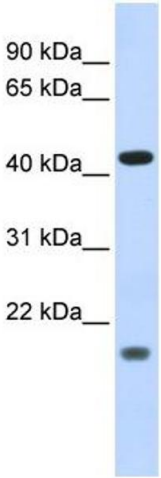
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Immunohistochemistry with Placenta tissue at an antibody concentration of 5µg/ml using anti-ING3 antibody (ARP33347_P050)



Western Blotting

Image 2. WB Suggested Anti-ING3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart