

## ING3

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF IP

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:100

**Calculated MW:**46kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human ING3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

1 mg/ml

**Synonym:**

Eaf4; ING2; MEAF4; p47ING3;

**Catalog #:**A5832

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**54556

**Isotype:**IgG

**Swiss Prot:**Q9NXR8

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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