



Mouse anti-Human ING3 polyclonal antibody (DPAB-DC2340)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	ING3 (NP_938008, 1 a.a. ~ 92 a.a) partial recombinant protein with GST tag. The sequence is MLYLEDYLEMIEQLPMDLRDRFTEMREMDLQVQNAMDQLEQRVSEFFMNAKKNKPEWREE QMASIKKDYYKALEDADEKVQLANQIYDLQHF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ING3 inhibitor of growth family, member 3 [Homo sapiens (human)]
Official Symbol	ING3
Synonyms	ING3; inhibitor of growth family, member 3; Eaf4; ING2; MEAF4; p47ING3; inhibitor of growth protein 3;
Entrez Gene ID	54556
Protein Refseq	NP_061944
UniProt ID	Q9NXR8
Chromosome Location	7q31
Pathway	Chromatin modifying enzymes; HATs acetylate histones;
Function	contributes_to histone acetyltransferase activity; methylated histone binding; zinc ion binding;