

Product datasheet for **TA319198**

ING4 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:3,000 - 1:12,000, WB: 1:500 - 1:3,000
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding aa 164-175 of Human p29 ING4 protein (Inhibitor of growth family, member 4). This sequence only shows homology to isoform 1 for ING4.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	inhibitor of growth family member 4
Database Link:	NP_001121054 Entrez Gene 51147 Human Q9UNL4
Synonyms:	my036; p29ING4

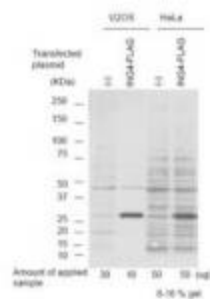


[View online »](#)

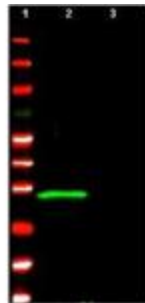
Note: p29 ING4 is a tumor suppressor protein similar to ING1 that may inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation. p29 ING4 has been shown to suppress brain tumor angio-genesis through transcriptional repression of RelA/ NFKB3 target genes when complexed with RelA. p29 ING4 may also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC. p29 ING4 shows a nuclear localization and interacts with EP300, TP53, RelA, inhibits cell growth, and induces apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. Multiple alternatively spliced transcript variants have been observed. The accession number listed below is for variant (1) that encodes the longest isoform.

Protein Families: Druggable Genome, Transcription Factors

Product images:



Anti-p29 ING4 polyclonal antibody detects ING4 protein by western blot in over expressed cell lysates. This antibody was used at 1.0 ug/ml to detect ING4 expression in control (-) and transformed U2OS and HeLa cell lysates. A predominant band corresponding to p29 ING4 is only seen in lysates from transformed cells. Personnel Communication, Motoko Unoki, NCI, NIH.



Anti-p29 ING4 polyclonal antibody detects ING4 protein by WB. This antibody was used at 1.0 ug/ml to detect ING4 (lane 2) present in a U2OS whole cell lysate over expressing the protein. A control lysate (lane 3) shows no background staining. Comparison to MW markers (lane 1) indicates detection of a single band at ~29 kDa corresponding to ING4.