DATASHEET

ING4 Rabbit Polyclonal Antibody

CAT. NO. APA15915

KEY FEATURES

Target	ING4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Component of HBO1 complexes, which specifically mediate acetylation of histone H3 at 'Lys-14' (H3K14ac), and have reduced activity toward histone H4 , and have reduced activity toward histone H4 . Through chromatin acetylation it may function in DNA replication . May inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation . Can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA . May also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC . Represses hypoxia inducible factor's (HIF) activity by interacting with HIF prolyl hydroxylase 2 (EGLN1) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ING4
Specificity	Recognizes endogenous levels of ING4 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ING4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 20; Observed: 29 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Inhibitor of growth protein 4; p29ING4
Gene Symbol	ING4
Entrez Gene	51147(Human); 28019(Mouse)
SwissProt	Q9UNL4(Human); Q8C0D7(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

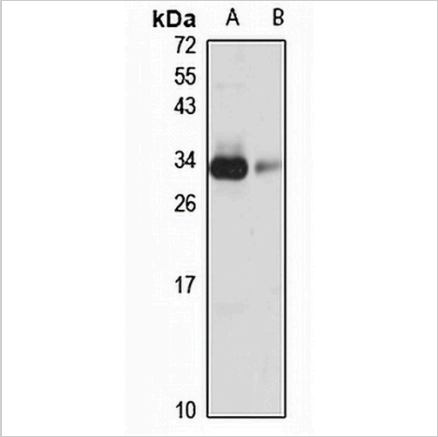
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Western blot analysis of ING4 expression in HeLa (A), mouse spleen (B) whole cell lysates. (Predicted band size: 20; 25; 28 kD; Observed band size: 29 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.