

Datasheet for ABIN1944775
anti-ING4 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	ING4
Binding Specificity:	AA 162-195, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ING4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ING4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 162-195 amino acids from the C-terminal region of human ING4.
Clone:	RB47839
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ING4
Alternative Name:	ING4 (ING4 Products)

Target Details

Background: Component of the HBO1 complex which has a histone H4- specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. 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).

Molecular Weight: 28530

Gene ID: 51147

UniProt: [Q9UNL4](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

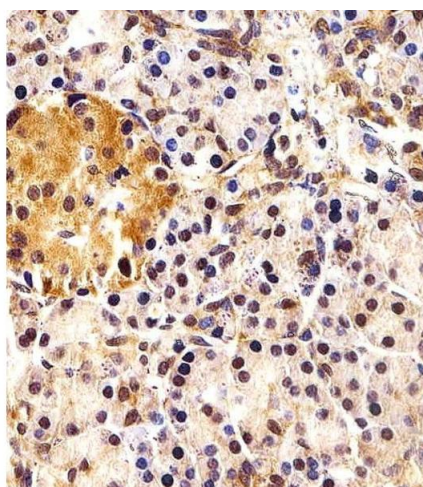
Product cited in: Takeda, Kadowaki, Haga, Takaesu, Mitaku: "Identification of G protein-coupled receptor genes from the human genome sequence." in: **FEBS letters**, Vol. 520, Issue 1-3, pp. 97-101, (2002) ([PubMed](#)).

Communi, Gonzalez, Detheux, Brézillon, Lannoy, Parmentier, Boeynaems: "Identification of a

novel human ADP receptor coupled to G(i)." in: **The Journal of biological chemistry**, Vol. 276, Issue 44, pp. 41479-85, (2001) ([PubMed](#)).

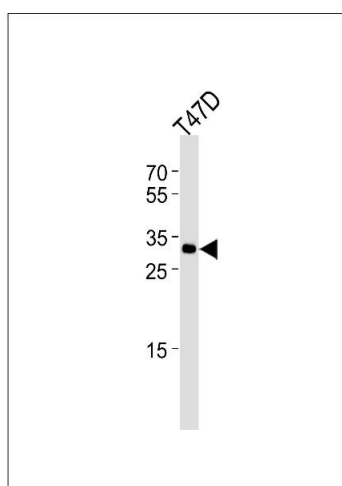
Wittenberger, Schaller, Hellebrand: "An expressed sequence tag (EST) data mining strategy succeeding in the discovery of new G-protein coupled receptors." in: **Journal of molecular biology**, Vol. 307, Issue 3, pp. 799-813, (2001) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. pancreas section using ING4 Antibody (C-term) (ABIN1944775 and ABIN2838517). (ABIN1944775 and ABIN2838517) was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of lysate from T47D cell line, using ING4 Antibody (C-term) (ABIN1944775 and ABIN2838517). (ABIN1944775 and ABIN2838517) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.