

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse ING1 in Western blot.
Source	Monoclonal Mouse IgG ₁ Clone # 585915
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human ING1 Arg70-Ala184 Accession # Q9UK53
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ING1 (inhibitor of growth-1) is a member of the ING family of tumor suppressive and apoptosis-promoting epigenetic regulators of chromatin structure. They interact with and alter the ratio of pro- and anti-apoptotic Bcl-2 family members. The p53 tumor suppressor and its downstream targets can potentiate ING1-induced apoptosis. Human isoforms p33ING1, p24ING1c, p33ING1b and p47ING1a vary in N-terminal sequence, resulting in 279, 210, 235 and 422 aa proteins, respectively. The sequence used as an immunogen is common to all isoforms, and shares 83% and 81% amino acid (aa) identity with mouse and rat ING1, respectively.

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