

Anti-p33 ING1

Catalog# SPC-145F

Size: 400µl

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This product is for *in vitro* research use only and is not intended for use in humans or animals

StressMarq

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Product	Rabbit p-33 ING1, polyclonal
Clone	N/A
Immunogen	Mouse p33 ING1 N-terminal peptide -KLH conjugates
Host and Subclass	Rabbit polyclonal
Cited Applications	WB (7), ELISA (7), IF
Specificity	Detects a ~33kDA protein, corresponding to the apparent molecular mass of p33 ING1 on SDS-PAGE immunoblots.
Species cross-reactivity	Human (1) and Mouse. Not cross-reactive with any other ING family.
Format	In TBS, 0.1%NaN ₃ , and 50% glycerol. Affinity Purified.
Concentration and working dilution	250µg/mL; 1µg/mL was needed for western blot analysis.
Storage and stability	-20°C; 1 year+; shipped on cold packs or ambient

Selected References

1. Cheung K.J., Jr. and Li G. (2002) *Int. J. Oncol.* 21(6): 1361-1365.
2. Cheung K.J., Jr. and Li G. (2002) *Exp. Cell Res.* 279(2): 291-28.
3. Cheung K.J., Jr. and Li G. (2002) *Int. J. Oncol.* 20(6):1319-1322.
4. Cheung K.J., Jr. and Li G. (2001) *Exp. Cell Res.* 268(1): 1-6.
5. Garkavtsev I., *et al.* (1996). *Nat Genet.* 14(4): 415-420.
6. Gunduz M., *et al.* (2000). *Cancer Res.* 60(12): 3143-6.
7. Jager D., *et al.* (1999). *Cancer Res.* 59: 6197-6204.

Certificate of Analysis

0.25mg/mL was sufficient for detection of SPC-145 in lysates prepared from human melanoma cell lines by western blot analysis.

Scientific Background

The p33ING1 protein encodes a 33-kD, 294-amino acid protein that displays the characteristics of a tumor suppressor gene. The p33ING1 protein is a regulator of cell cycle, senescence, and apoptosis. It can mediate growth arrest, anchor dependent growth and influence chemosensitivity (1-4). It also has a proposed role as a growth regulator, which is consistent with its location in the nucleus (5).

It has been demonstrated that the ING1 gene has three exons and that four mRNA variants are transcribed from three different promoter regions (p33 ING1, p24 ING1, p27 ING1, p47 IG1) (6, 7). ING1 can possibly influence the above biological functions depending on which variant is expressed (1-4).

Material Safety Data Sheet

Anti-p33 ING1 (Polyclonal Antibody) SPC-145

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The below information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StressMarq shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

Hazardous Ingredients

The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves and protective clothing. Direct physical contact with this product should be avoided.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Sodium Azide	26628-22-8	0.1

Physical Data

This product consists of rabbit immunoglobulin in TBS containing 0.1% azide in 50% glycerol shipped on gel packs. The physical properties of this product have not been investigated thoroughly.

Fire and Explosion Hazard and Reactivity Data

NOT APPLICABLE

Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

Spill and Leak Procedures

Observe all federal, state and local environmental regulations.

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Authorized: StressMarq Biosciences Inc.
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