
anti-Elongin A

Cat #: HM1127
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Individuals harboring germline mutations in the tumor suppressor gene von Hippel-Lindau (VHL) exhibit an increased susceptibility to a variety of tumors including renal carcinoma, hemangio-blastoma of the central nervous system and pheochromocytoma. The Elongin (SIII) complex has been identified the functional target of the VHL protein. Elongin (SIII) is heterotrimer composed of a transcriptional active subunit designated Elongin A and two regulatory subunits designated Elongin B and Elongin C. VHL functions by binding the Elongin B and C subunits, inhibiting the transcriptional efficacy of the Elongin (SIII) complex. The Elongin A subunit is 773 amino acids in length and has apparent molecular weight of 110 kDa, while Elongin B and C are 18 kDa and 15 kDa proteins, respectively.

SPECIFICITY

This antibody specifically reacts with Elongin A of human, mouse and rat origin. No cross-reactivity with Elongin B and Elongin C.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from C-terminus of rat Elongin A protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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3. Krumm, A. and Groudine, M. 1995. Tumor suppression and transcription elongation: the dire consequences of changing partners. Science 269: 1400-1401.
4. Aso T, Haque D, Barstead RJ, Conaway RC, Conaway JW. The inducible elongin A elongation activation domain:

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