

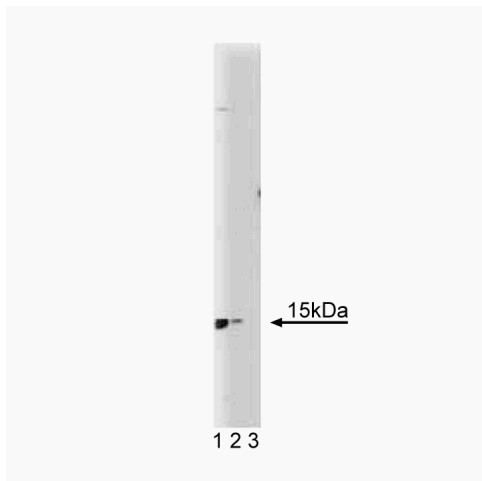
Technical Data Sheet

Purified Mouse Anti-SIII p15**Product Information**

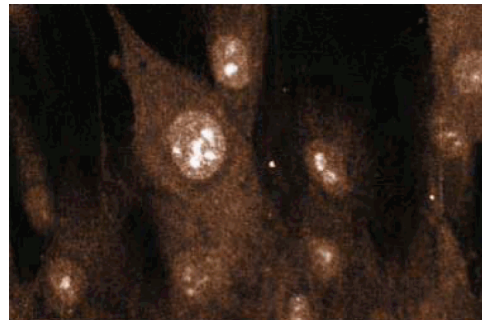
Material Number:	610760
Alternate Name:	Elongin C
Size:	50 µg
Concentration:	250 µg/ml
Clone:	56/SIIIp15
Immunogen:	Human SIII p15 aa. 1-112
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Dog, Rat, Mouse, Frog
Target MW:	15 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

SIII p15 is one of three polypeptides that comprise the approximate 140kDa RNA polymerase II transcription factor SIII. The other two polypeptides have the molecular weights of 110kDa and 18kDa. All three polypeptides are required for transcription factor SIII function. Although the polypeptides were identified and purified from rat liver nuclear extracts, tissue expression of this transcription factor appears to be widespread. RNA polymerase II recognizes the SIII transcription factor and in turn initiates transcription from these correctly initiated transcripts. A yeast transcription factor designated YES may be the yeast homolog to SIII.



Western blot analysis of Elongin C/SIII p15 on HepG2 cell lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of Elongin C/SIII p15 antibody.



Immunofluorescent staining of Human Fibroblasts.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at -20° C.

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Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunohistochemistry	Tested During Development
Immunoprecipitation	Not Recommended

Recommended Assay Procedure:

Western blot: Please refer to http://www.bdbiosciences.com/pharmingen/protocols/Western_Blotting.shtml

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
611555	HepG2 Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

- Bradsher JN, Jackson KW, Conaway RC, Conaway JW. RNA polymerase II transcription factor SIII. I. Identification, purification, and properties. *J Biol Chem.* 1993; 268(34):25587-25593. (Biology)
- Kuznetsova AV, Meller J, Schnell PO. von Hippel-Lindau protein binds hyperphosphorylated large subunit of RNA polymerase II through a proline hydroxylation motif and targets it for ubiquitination. *Proc Natl Acad Sci U S A.* 2003; 100(5):2706-2711. (Clone-specific: Western blot)