

Nuclear Matrix Protein p84 antibody [5E10]

Cat. No. GTX70220

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Application	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC
Reactivity	Human, Mouse, Rat, Hamster, Monkey

Reference (164)

★★★★★ Review (1)

Package

100 µl

PRODUCT

Summary

Nuclear Matrix Protein p84 antibody detects THO complex subunit 1, which is an 84 kDa nuclear matrix protein often referred to as just "p84". p84 is involved in mRNA transcription and is considered to be a nuclear marker. p84 antibody is an effective reagent used to verify the purity of nuclear extracts in cellular fractionation assays.

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	0.3 - 2 µg/ml
ICC/IF	0.5 - 2 µg/ml
IHC-P	Assay dependent
IP	1:100-1:500
ChIP assay	Assay dependent
IHC	Assay dependent

Not tested in other applications.

Calculated MW 76 kDa. ([Note](#))

Product Note Knockdown/Knockout validation was supported by references (PMID:25296641)

PROPERTIES

Form	Liquid
Buffer	1XPBS pH7, 20% Glycerol
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)

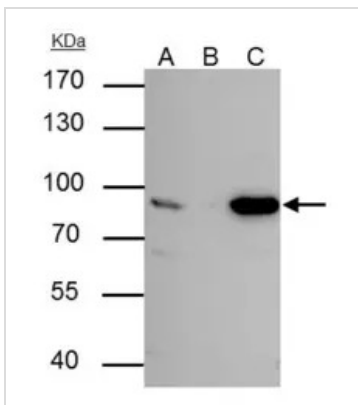


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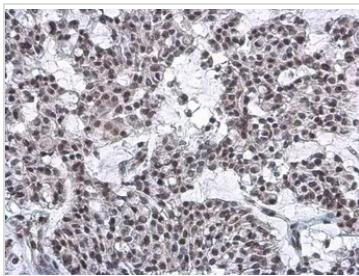
Immunogen	Amino acids 15-374 of human p84 expressed in E. coli.
Purification	Protein G purified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX70220 IP Image

p84 antibody [5E10] immunoprecipitates p84 protein in IP experiments. IP Sample: HepG2 whole cell lysate/extract A : 30 µg whole cell lysate/extract of p84 protein expressing HepG2 cells B : Control with 3 µg of pre-immune mouse IgG C : Immunoprecipitation of p84 by 3 µg of p84 antibody [5E10] (GTX70220) 7.5% SDS-PAGE The immunoprecipitated p84 protein was detected by p84 antibody [5E10] (GTX70220) diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) (GTX221667-01) was used as a secondary reagent.



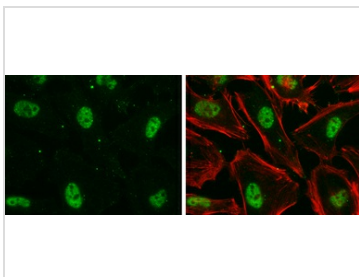
GTX70220 IHC-P Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded human breast carcinoma.

Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:200.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX70220 ICC/IF Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:500.

Red: phalloidin, a cytoskeleton marker, diluted at 1:100.



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