Nuclear Matrix Protein p84 antibody [5E10]

Cat. No. GTX70220

Host	Mouse	References (169)
Clonality	Monoclonal	🚖 🚖 🚖 🊖 🚖 Review (1)
lsotype	lgG2b	Package
Applications	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC	100 μl
Reactivity	Human, Mouse, Rat, Hamster, Monkey	

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.

Applications

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		

Not tested in other applications.

Calculated MW	76 kDa. (<u>Note</u>)
Product Note	Knockdown/Knockout validation was supported by references (PMID:25296641)

Properties	
Form	Liquid
Buffer	PBS, 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.)

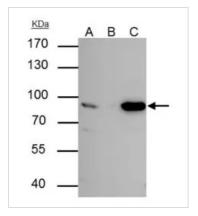


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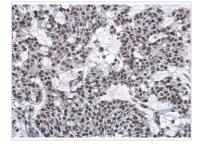
Immunogen	Amino acids 15-374 of human p84 expressed in E. coli.	
Purification	Protein G purified	
Conjugation	Unconjugated	
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
Note	Purchasers shall not, 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.



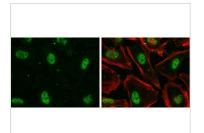
GTX70220 IHC-P Image

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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