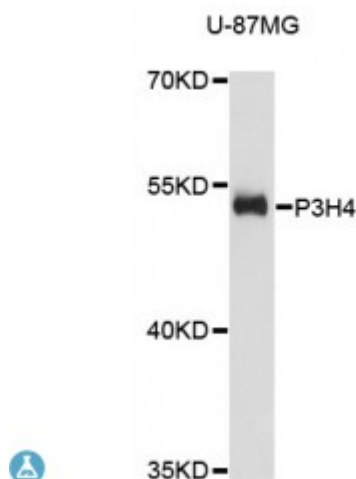


Anti-P3H4 Antibody



Description

This nucleolar protein was first characterized because it was an autoantigen in cases of interstitial cystitis. The protein, with a predicted molecular weight of 50 kDa, appears to be localized in the particulate compartment of the interphase nucleolus, with a distribution distinct from that of nucleolar protein B23. During mitosis it is associated with chromosomes.

Model	STJ115702
Host	Rabbit
Reactivity	Human, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 338-437 of human P3H4 (NP_006446.1).
Gene ID	10609
Gene Symbol	P3H4
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Detected in fibroblasts (at protein level)
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Endoplasmic reticulum protein SC65 Leprecan-like protein 4 Nucleolar autoantigen No55 Prolyl 3-hydroxylase family member 4 Synaptonemal complex protein SC65

Molecular Weight	50.381 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16946OMIM:617419
Alternative Names	Endoplasmic reticulum protein SC65 Leprecan-like protein 4 Nucleolar autoantigen No55 Prolyl 3-hydroxylase family member 4 Synaptonemal complex protein SC65
Function	Part of a complex composed of PLOD1, P3H3 and P3H4 that catalyzes hydroxylation of lysine residues in collagen alpha chains and is required for normal assembly and cross-linking of collagen fibrils, Required for normal bone density and normal skin stability via its role in hydroxylation of lysine residues in collagen alpha chains and in collagen fibril assembly,
Cellular Localization	Endoplasmic reticulum

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