

Anti-Coilin Antibody [JU44-08]

ET7106-82



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 63 kDa
Clone number:	JU44-08

Description: Coilin protein is one of the main molecular components of Cajal bodies (CBs). Cajal bodies are nuclear suborganelles of varying number and composition that are involved in the post-transcriptional modification of small nuclear and small nucleolar RNAs. In addition to its structural role, coilin acts as glue to connect the CB to the nucleolus. The N-terminus of the coilin protein directs its self-oligomerization while the C-terminus influences the number of nuclear bodies assembled per cell. Differential methylation and phosphorylation of coilin likely influences its localization among nuclear bodies and the composition and assembly of Cajal bodies. This gene has pseudogenes on chromosome and chromosome.

Immunogen: Synthetic peptide within Human Coilin aa 1-50 / 576.

Positive control: HeLa cell lysate, 293T cell lysate, PC-12 cell lysate.

Subcellular location: Nucleus, Cajal body.

Database links: SwissProt: P38432 Human
Entrez Gene: 50998 Rat

Recommended Dilutions:

WB 1:5,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

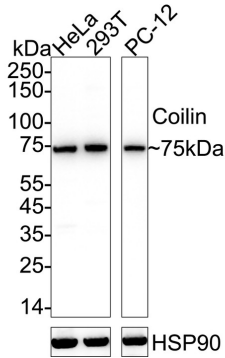
Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of Coilin on different lysates with Rabbit anti-Coilin antibody (ET7106-82) at 1/5,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: 293T cell lysate
Lane 3: PC-12 cell lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 63 kDa
Observed band size: 75 kDa

Exposure time: 20 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET7106-82) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Carmo-Fonseca M. al. Assembly of snRNP-containing coiled bodies is regulated in interphase and mitosis -- evidence that the coiled body is a kinetic nuclear structure. J. Cell Biol. 120:841-852(1993).

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