

[KD]p150 CAF1 Rabbit mAb

Catalog # AP75846

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q13111
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	106910

Additional Information

Gene ID	10036
Other Names	CHAF1A
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

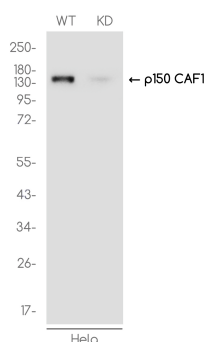
Protein Information

Name	CHAF1A (HGNC:1910)
Synonyms	CAF, CAF1P150
Function	Acts as a component of the histone chaperone complex chromatin assembly factor 1 (CAF-1), which assembles histone octamers onto DNA during replication and repair. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci.
Cellular Location	Nucleus. Note=DNA replication foci

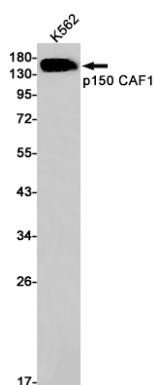
Background

Core component of the CAF-1 complex, a complex thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer.

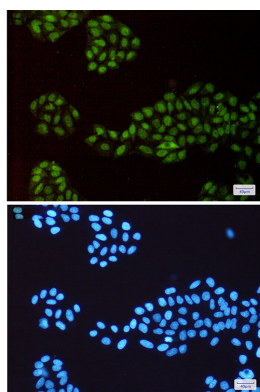
Images



Western blot analysis of p150 CAF1 in HeLa(WT) and p150 CAF1-Knockdown HeLa(KD) using p150 CAF1 antibody.

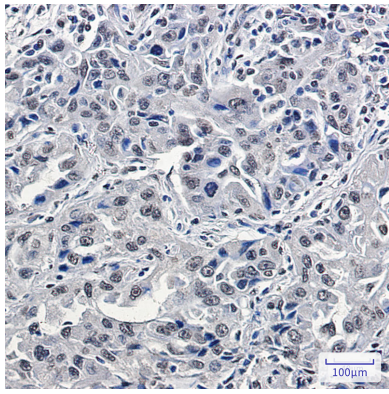


Western blot analysis of p150 CAF1 in K562 lysates using p150 CAF1 antibody.



Immunocytochemistry analysis of p150 CAF1(green) in HeLa using p150 CAF1 antibody, and DAPI(blue)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using p150 CAF1/CAF antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.