

CENPA Rabbit mAb

Catalog No: #52031

Package Size: #52031-1 50ul #52031-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

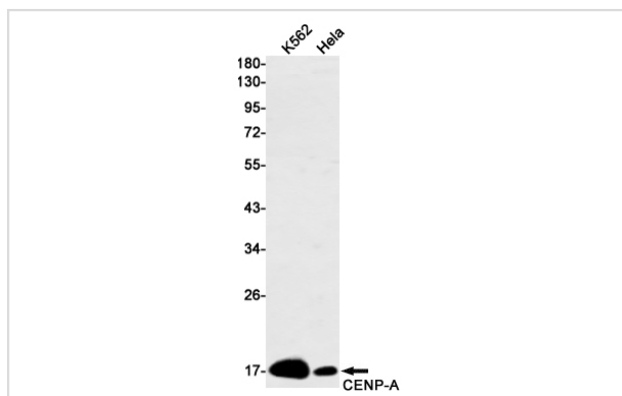
Description

Product Name	CENPA Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-9A5
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human CENPA
Conjugates	Unconjugated
Modification	Unmodification
Other Names	Centromere autoantigen A;Centromere protein A;CENP-A
Accession No.	Swiss-Prot:P49450GenelD:1058
Uniprot	P49450
GenelD	1058
Calculated MW	Calculated MW: 16 kDa; Observed MW: 16 kDa
Concentration	0.3 mg/ml
Formulation	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.

Application Details

WB: 1/1000

Images



Western blot detection of CENP-A in K562, HeLa cell lysates using CENP-A Rabbit mAb(1:1000 diluted). Predicted band size: 16kDa. Observed band size: 16kDa.

Background

Histone H3-like nucleosomal protein that is specifically found in centromeric nucleosomes (PubMed:7962047, PubMed:9024683, PubMed:11756469, PubMed:14667408, PubMed:15702419, PubMed:15475964, PubMed:15282608, PubMed:17651496, PubMed:19114591, PubMed:27499292, PubMed:20739937).

Replaces conventional H3 in the nucleosome core of centromeric chromatin at the inner plate of the kinetochore (PubMed:18072184).

The presence of CENPA subtly modifies the nucleosome structure and the way DNA is wrapped around the nucleosome and gives rise to protruding DNA ends that are less well-ordered and rigid compared to nucleosomes containing histone H3 (PubMed:27499292, PubMed:26878239).

Note: This product is for in vitro research use only