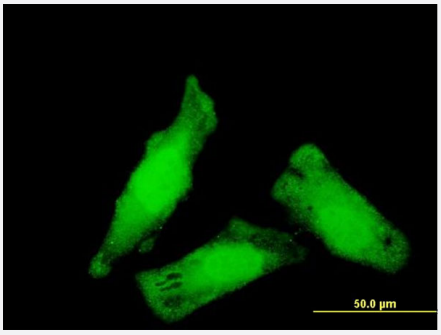
NIPBL monoclonal antibody (M01), clone 3B9

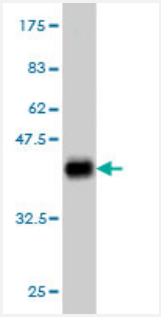
Catalog # H00025836-M01 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to NIPBL on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NIPBL.
Immunogen	NIPBL (AAH33847, 66 a.a. ~ 175 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FHPKQTLDFLRSDMANSKITEEVKRSIVKQYLDFKLLMEHLDPDEEEEEGEVSASTNARNKAITSL LGGGSPKNNTAAETEDDESDGEDRGGGTSGVRRRRSQRISQRIT
Host	Mouse
Reactivity	Human

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Interspecies Antigen Sequence	Mouse (95)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to NIPBL on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — NIPBL

Entrez GeneID	25836
GeneBank Accession#	BC033847
Protein Accession#	AAH33847
Gene Name	NIPBL
Gene Alias	CDLS, CDLS1, DKFZp434L1319, FLJ11203, FLJ12597, FLJ13354, FLJ13648, FLJ44854, IDN 3, IDN3-B
Gene Description	Nipped-B homolog (Drosophila)
Omim ID	122470 608667
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes the homolog of the Drosophila melanogaster Nipped-B gene product and fungal Scc2-type sister chromatid cohesion proteins. The Drosophila protein facilitates enhancer-promoter communication of remote enhancers and plays a role in developmental regulation. It is also homologous to a family of chromosomal adherins with broad roles in sister chromatid cohesion, chromosome condensation, and DNA repair. The human protein has a bipartite nuclear targeting sequence and a putative HEAT repeat. Condensins, cohesins and other complexes with chromosome-related functions also contain HEAT repeats. Mutations in this gene result in Cornelia de Lange syndrome, a disorder characterized by dysmorphic facial features, growth delay, limb reduction defects, and mental retardation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000116005|SCC2 homolog|delangin|nipped-B-like

Disease

- Cleft Lip
- Cleft Palate
- De Lange Syndrome

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