



Rabbit Anti-IDN3 antibody

SL15541R

Product Name:	IDN3
Chinese Name:	Bipped B样蛋白抗体
Alias:	CDLS; Colon tumor susceptibility 2; Delangin; DKFZp434L1319; FLJ11203; FLJ12597; FLJ13354; FLJ13648; FLJ44854; IDN 3; IDN 3 protein; IDN 3 protein isoform A; IDN 3 protein isoform B; IDN 3B; IDN3 B; IDN3 protein; IDN3 protein isoform A; IDN3 protein isoform B; IDN3B; Mis 4; Mis4; Nipbl; NIPBL_HUMAN; Nipped B homolog (Drosophila); Nipped B homolog; Nipped B like; Nipped B like protein; Nipped-B-like protein; Scc 2; SCC 2 homolog; Scc2; SCC2 homolog; Sister chromatid cohesion protein Mis4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	316kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IDN3:2651-2805/2805
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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, Jul 2008].

Function:

Probably plays a structural role in chromatin. Involved in sister chromatid cohesion, possibly by interacting with the cohesin complex.

Subunit:

Interacts directly with CBX5 via the PxVxL motif.

Subcellular Location:

Nucleus.

Tissue Specificity:

Widely expressed. Highly expressed in heart, skeletal muscle, fetal and adult liver, fetal and adult kidney. Expressed at intermediates level in thymus, placenta, peripheral leukocyte and small intestine. Weakly or not expressed in brain, colon, spleen and lung.

DISEASE:

Cornelia de Lange syndrome 1 (CDLS1) [MIM:122470]: A form of Cornelia de Lange syndrome, a clinically heterogeneous developmental disorder associated with malformations affecting multiple systems. Characterized by facial dysmorphisms, abnormal hands and feet, growth delay, cognitive retardation, hirsutism, gastroesophageal dysfunction and cardiac, ophthalmologic and genitourinary anomalies. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the SCC2/Nipped-B family.
Contains 5 HEAT repeats.

SWISS:

Q6KC79

Gene ID:

25836

Database links:

[Entrez Gene: 25836](#)Human

[Entrez Gene: 71175](#)Mouse

[Omin: 608667](#)Human

[SwissProt: Q6KC79](#)Human

[SwissProt: Q6KCD5](#)Mouse

[Unigene: 481927](#)Human

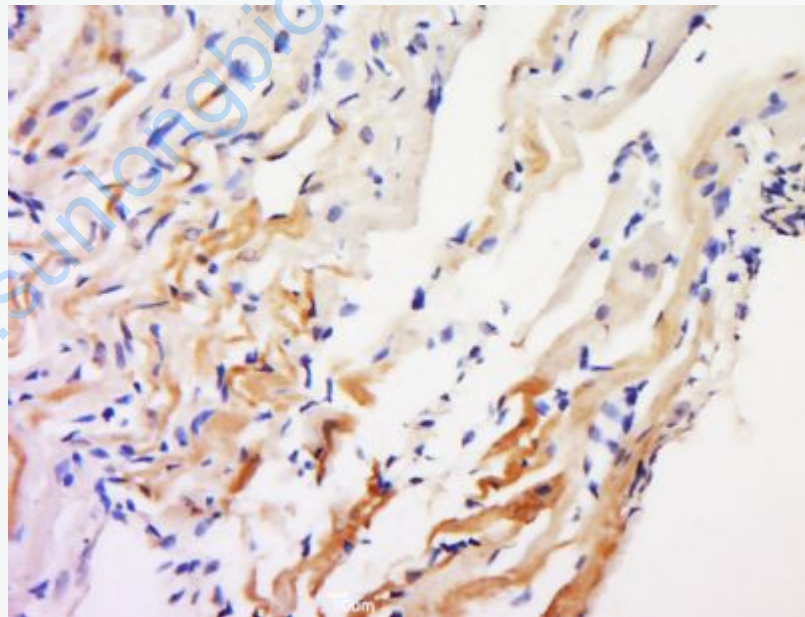
[Unigene: 240329](#)Mouse

[Unigene: 440537](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: Rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer
(normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IDN3 Polyclonal Antibody, Unconjugated(SL15541R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining

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