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Datasheet for ABIN5005054

anti-NIPBL antibody (AA 2651-2805) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	NIPBL
Binding Specificity:	AA 2651-2805
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NIPBL antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IDN3
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	NIPBL
Alternative Name:	IDN3 (NIPBL Products)

Target Details

Background: Synonyms: 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.

Background: 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].

Pathways: [Sensory Perception of Sound](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months