

Product datasheet for **TA319478**

IDN3 (NIPBL) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:2,000 - 1:10,000, WB: 1:500 - 1:3,000
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	This affinity-purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 344-356 of Human IDN3.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	NIPBL, cohesin loading factor
Database Link:	NP_056199 Entrez Gene 25836 Human Q6KC79
Synonyms:	CDLS; CDLS1; IDN3; IDN3-B; Scc2



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Note: IDN3 (also known as Colon tumor susceptibility 2, DKFZp434L1319, FLJ13648, Mis 4, Scc-2, Delangin and Sister chromatid cohesion protein) is the mammalian homologue of Scc2 in *S. cerevisiae* and Mis4 in *S. pombe*. In yeast, this factor was originally identified genetically as being involved in sister chromatid cohesion; subsequent work has determined that it is not involved in cohesion directly but is required for the loading of cohesins onto chromatin during S phase. It shares 37% sequence identity with Nipped-B gene product of *Drosophila*, which facilitates enhancer-promoter communication of remote enhancers. The *Drosophila* protein is also homologous to a family of chromosomal adherins with broad roles in sister chromatid cohesion, chromosome condensation, and DNA repair. IDN3 is a nuclear protein that is widely expressed and found at the highest levels in heart, skeletal muscle, fetal and adult liver, and fetal and adult kidney. The protein is also found, albeit at lower levels of expression in thymus, placenta, peripheral leukocyte and small intestine. Multiple isoforms of the protein have been reported.

Product images:



WB using Anti-IDN3 antibody shows detection of bands at ~315 kDa and ~125 kDa corresponding to isoforms of IDN3 (arrow-heads) in mouse heart whole cell tissue extract. Primary antibody was used at 1:1, 500. Second antibody was a 1:20,000 dilution of IRDye™800 conjugated Rb-a-Goat IgG [H&L].