



Anti-IDN3 (GOAT) Antibody - 600-101-288

Code: 600-101-288

Size: 100 µg

Product Description: Anti-IDN3 (GOAT) Antibody - 600-101-288

Concentration: 1.6 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Goat
Gene Name	IDN3
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	CDLS antibody, Colon tumor susceptibility 2 antibody, Delangin antibody, DKFZp434L1319 antibody, FLJ11203 antibody
Application Note	This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect bands at 316 kDa in size corresponding to IDN3 by western blotting in the appropriate cell lysate or extract. Splice variants for this protein may show molecular weights of 304 kDa and 122 kDa.
Background	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 <i>S. cerevisiae</i> and Mis4 in <i>S. pombe</i> . 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 <i>Drosophila</i> , which facilitates enhancer-promoter communication of remote enhancers. The <i>Drosophila</i> 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.
Purity And Specificity	This affinity purified antibody is directed against human IDN3 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, rat, mouse, dog, bovine and orangutan based on 100% homology for the immunogen sequence. Expect reactivity with multiple splice variants of this protein. Cross reactivity with IDN3 homologues from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:2,000 - 1:10,000
WESTERN BLOT	1:500 - 1:3,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
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.
General Reference	<p>Tonkin, E.T., Wang, T.J., Lisgo, S., Bamshad, M.J. and Strachan, T. (2004) NIPBL, encoding a homolog of fungal Scc2-type sister chromatid cohesion proteins and fly Nipped-B, is mutated in Cornelia de Lange syndrome. <i>Nat. Genet.</i> 36 (6), 636-641.</p> <p>Ben-Asher E, Lancet D. (2004) NIPBL gene responsible for Cornelia de Lange syndrome, a severe developmental disorder. <i>Isr Med Assoc J.</i> 6(9):571-2.</p> <p>Gillis LA, McCallum J, Kaur M, DeScipio C, Yaeger D, Mariani A, Kline AD, Li HH, Devoto M, Jackson LG,</p>

Krantz ID. (2004) NIPBL mutational analysis in 120 individuals with Cornelia de Lange syndrome and evaluation of genotype-phenotype correlations. Am J Hum Genet. 75(4):610-23.

Related Products

000-001-288	IDN3 CONTROL PEPTIDE - 000-001-288
200-301-400	Anti-ATM Protein Kinase pS1981 (MOUSE) Monoclonal Antibody - 200-301-400
605-703-125	Anti-GOAT IgG (H&L) (DONKEY) Antibody Peroxidase Conjugated (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-703-125
FEMTOMAX-110	Chemiluminescent FemtoMax™ Super Sensitive HRP Substrate for Microwell and/or Membrane (2 component system) - FEMTOMAX-110

Related Links

NCBI	http://www.ncbi.nlm.nih.gov/protein/4760549
UniProtKB	http://www.uniprot.org/uniprot/Q6KC79
NCBI - 4760549	http://www.ncbi.nlm.nih.gov/protein/4760549
UniProt - Q6KC79	http://www.uniprot.org/uniprot/Q6KC79
Gene ID - 25836	http://www.ncbi.nlm.nih.gov/gene/25836

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