

Codanin1

CONTACT INFORMATION: University of Oxford marketed by Ximbio.com
TYPE: mouse anti human
CLONE NAME: Cod177
PROTEIN: Codanin 1
PROTEIN WEB: <https://www.omim.org/entry/607465>
ANTIGEN USED: aa 294-607 of cloned human protein
FUSION PARTNER: NS0
ISOTYPE: IgG2b
SPECIES REACTIVITY: Human and mouse
PREPARATION AND STORAGE: Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY: Ximbio.com
APP RECOMMENDED: IF WB

DESCRIPTION

Codanin-1 may act as a negative regulator of histone chaperone anti-silencing function 1 (ASF1) in chromatin assembly. Mutations in the codanin-1 gene cause congenital dyserythropoietic anemia 1 (CDA1), which is an autosomal recessive blood disorder characterised by morphological abnormalities of erythroblasts, ineffective erythropoiesis, macrocytic anemia and secondary hemochromatosis.

PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

Blood. 2011 Jun 23;117(25):6928-38. doi: 10.1182/blood-2010-09-308478. Epub 2011 Mar 1.

Codanin-1 mutations in congenital dyserythropoietic anemia type 1 affect HP1{alpha} localization in erythroblasts.

Renella R1, Roberts NA, Brown JM, De Gobbi M, Bird LE, Hassanali T, Sharpe JA, Sloane-Stanley J, Ferguson DJ, Cordell J, Buckle VJ, Higgs DR, Wood WG.

PMID: 21364188

<https://www.ncbi.nlm.nih.gov/pubmed/21364188>