



Mouse anti-Human PLOD2 monoclonal antibody, clone 509206 (CABT-B9505)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|-------------------------------------------------------------------------|
| Immunogen | Sf 21-derived recombinant human Lysine Hydroxylase 2/PLOD2 Ala26-Pro758 |
| Isotype | IgG2b |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | 509206 |
| Purification | Protein A/G |
| Conjugate | Unconjugated |
| Applications | IM, WB |
| Format | Lyophilized |
| Concentration | 0.5 mg/ml |
| Size | 100 µg |
| Buffer | PBS with 5% trehalose |
| Preservative | no preservative |
| Storage | -20°C, Avoid Freeze/Thaw Cycles |

BACKGROUND

Introduction The protein encoded by this gene is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VIB have deficiencies in lysyl hydroxylase activity. Mutations in the coding region of this gene are associated with Bruck syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Keywords PLOD2; procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2; LH2; TLH; procollagen-lysine,2-oxoglutarate 5-dioxygenase 2; lysyl hydroxylase 2; lysyl hydroxylase 2; lysine hydroxylase 2; telopeptide lysyl hydroxylase;

GENE INFORMATION

Entrez Gene ID [5352](#)

UniProt ID [O00469](#)