bs-12731R **[Primary Antibody]**

PLOD2 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5352 **SWISS:** O00469

Target: PLOD2

Immunogen: KLH conjugated synthetic peptide derived from human PLOD2: 501-600/737.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 85 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=4.5]** Jiang-Yin Zhang. et al. The Effect of Platelet-Rich Plasma on Synovial Fibrosis and Cartilage Degeneration in Knee Osteoarthritis. AM J SPORT MED. ;(): IHC ;Rat. 40114320
- **[IF=3.411]** Li Guang. et al. PLOD2 Is a Potent Prognostic Marker and Associates with Immune Infiltration in Cervical Cancer. Biomed Res Int. 2021;2021:5512340 IHC ;Human. 34258263
- **[IF=3.3]** Wang Qinghao. et al. Eosinophil-Associated Genes are Potential Biomarkers for Hepatocellular Carcinoma Prognosis. J CANCER. 2024 Sep;15(17):5605-5621 IHC ;Human. 39308686