bsm-51740M **[Primary Antibody]**

PLOD1 Mouse mAb

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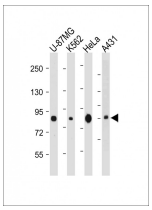
DATASHEET

Host: Mouse
Isotype: IgG2b,k
Clonality: Monoclonal
CloneNo.: M4G1
GeneID: 5351
SWISS: Q02809
Target: PLOD1
Immunogen: KLH conjugated synthetic peptide derived from human PLOD1: 51-150/727.
Purification: affinity purified by Protein G
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: Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the 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 VI have deficiencies in lysyl hydroxylase activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Applications: **WB** (1:500-2000)
Reactivity: Human
Predicted MW.: 33 kDa
Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: U-87MG cell lysates Lane 2: K562 cell lysates Lane 3: HeLa cell lysates Lane 4: A431 cell lysates Primary: Anti-PLOD1 (bsm-51740M) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 33 kD Observed band size: 85 kD