

Multimerin-2 (6D365): sc-71624

BACKGROUND

Multimerin-2 belongs to a class of proteins called EMILINs (elastin microfibril interface located proteins) due to its EMI domain. EMILINs are extracellular matrix glycoproteins that localize to sites with proximity to elastin and microfibrils. EMILINs are abundant in elastin-rich tissues such as blood vessels, skin, heart and lung. Multimerin-2 (also known as Emilin-3 or EndoGlyx-1) is expressed during embryonic development. During skeletal development, Multimerin-2 is present at sites of cartilage and bone formation. In later stages of development, Multimerin-2 is expressed in the nervous plexus of the digestive tract and in the main bronchial branches. A developmental protein, Multimerin-2 is more readily detected in immature osteoblasts than in mature osteoblasts.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: MMRN2 (human) mapping to 10q23.2.

SOURCE

Multimerin-2 (6D365) is a mouse monoclonal antibody raised against Multimerin-2 of human origin.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Multimerin-2 (6D365) is recommended for detection of Multimerin-2 of human origin by immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10⁶ cells); not recommended for WB.

Suitable for use as control antibody for Multimerin-2 siRNA (h): sc-75844, Multimerin-2 shRNA Plasmid (h): sc-75844-SH and Multimerin-2 shRNA (h) Lentiviral Particles: sc-75844-V.

Molecular Weight of Multimerin-2: 104 kDa.

SELECT PRODUCT CITATIONS

- Zanivan, S., Maione, F., Hein, M.Y., Hernández-Fernaud, J.R., Ostasiewicz, P., Giraudo, E. and Mann, M. 2013. SILAC-based proteomics of human primary endothelial cell morphogenesis unveils tumor angiogenic markers. *Mol. Cell. Proteomics* 12: 3599-3611.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.