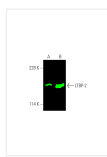
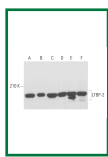
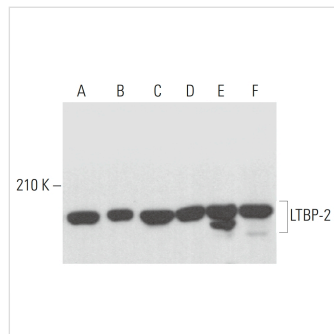


LTBP-2 mouse monoclonal Antibody (E-10)



Key features and details

Reactivity: Human, Mouse, Rat

Application: WB, IP, IF, ELISA

Host: Mouse

Clonality: Monoclonal

Isotype: IgG2bk

Target Name: LTBP-2

Brand: **AREX**
Biosciences

CAT.NO. : ARA0002

US\$: 350.00

Size:

100µg

Trail, Bulk size or
Custom requests
Please contact us

*产品价格可能会有所调整, 请以品牌方官网实时更新的价格为准, 以确保准确性。

Product Details

BACKGROUND

Transforming growth factor (TGF) β is secreted as part of an inactive complex that often includes latent TGF β -binding protein (LTBP). The LTBP family of proteins has a multidomain structure with cysteine-rich motifs. Specifically, LTBP-2 is an essential part of elastin-containing microfibrils. It contains 20 EGF-like repeats and 4 copies of an 8-cysteine repeat. Human foreskin fibroblasts synthesize LTBP-2 as a protein. During rodent development, LTBP-2 co-localizes with tropoelastin in various tissues such as the lung, dermis, epicardium, pericardium, and heart valves. In the young adult mouse, it also co-localizes with tropoelastin in the spleen. Pseudoexfoliation (PEX) syndrome is a systemic condition marked by the abnormal production and accumulation of a pathologic fibrillar extracellular material in numerous intra- and extraocular tissues. The fact that LTBP-1 and LTBP-2 co-localize with latent TGF β 1 and with fibrillin-1 on PEX fibrils implies a potential mechanism for regulating TGF β 1 activity in the eyes affected by PEX. Finally, the LTBP-2 gene is mapped to human chromosome 14q24.3.

Application

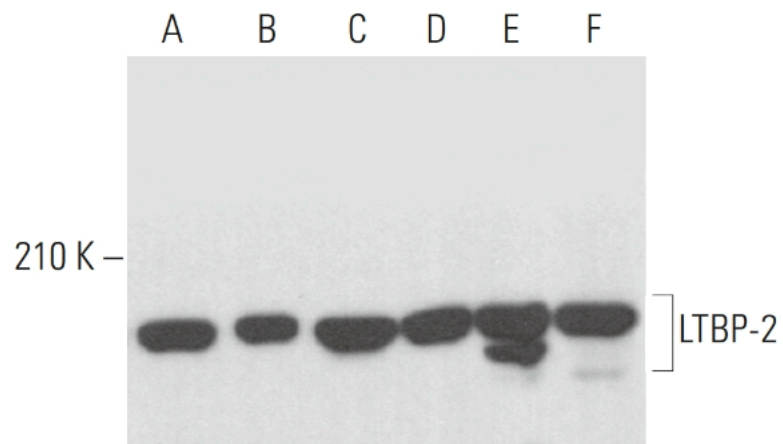
LTBP-2 (E-10) is recommended for detection of LTBP-2 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

The Molecular Weight of LTBP-2 is 195 kDa.

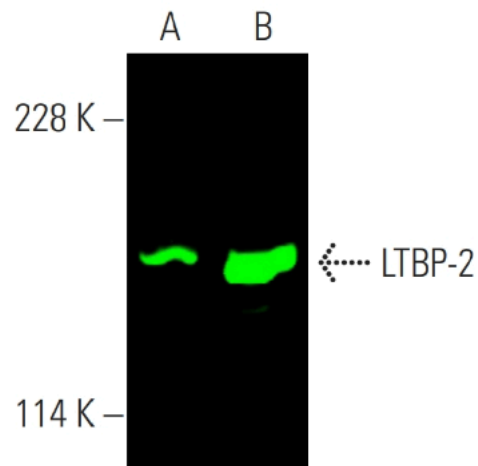
The Molecular Weight of LTBP-2 under non-reducing conditions is 210/175 kDa.

The Molecular Weight of LTBP-2 glycoprotein is 240 kDa.

Data



LTBP-2 (E-10) . Western blot analysis of LTBP-2 expression in DU 145 (A), PC-3 (B), F9 (C), NIH/3T3 (D) and PC - 12 (E) whole cell lysates and rat testis tissue extract (F).



LTBP-2 (E-10). Near-infrared western blot analysis of LTBP-2 expression in PC-3 (A) and PC-12 (B) whole cell lysates.