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THBS4 (N1) Antibody, Rabbit Polyclonal

Cat#: R3159-1

Quantity: 100 ul

Predicted | Observed M.W.: 106 | 120 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9Z1T2

Background:

Thrombospondin-4 (THBS4) is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions and is involved in various processes including cellular proliferation, migration, adhesion and attachment, inflammatory response to CNS injury, regulation of vascular inflammation and adaptive responses of the heart to pressure overload and in myocardial function and remodeling. THBS4 binds to structural extracellular matrix (ECM) proteins and modulates the ECM in response to tissue damage, contributing to cardioprotective and adaptive ECM remodeling. THBS4 also plays a role in ER stress response via its interaction with the activating transcription factor 6 alpha (ATF6), which produces adaptive ER stress response factors and protects myocardium from pressure overload.

Other Names:

Thrombospondin-4, TSP4

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing N-terminal region of mouse THBS4. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

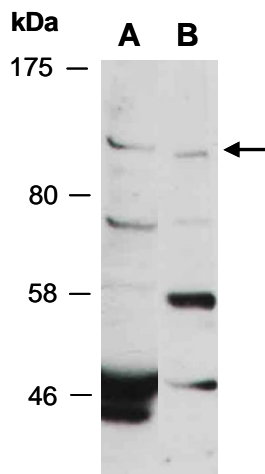


Fig 1. Western blot of total cell extracts from A) mouse brain, B) human Jurkat; using anti-THBS4 (N1) (R3159-1) at RT for 2 h.