



tetranectin (10E3): sc-80594

BACKGROUND

Tetranectin is a homotrimeric glycoprotein present in plasma and various tissue locations that binds to calcium, heparin and plasminogen kringle 4. Tetranectin may play a prominent role in tissue remodeling as well as in the regulation of proteolytic processes via its binding and indirect activation of plasminogen. Tetranectin is found in the extracellular matrix (ECM) of certain carcinomas, but is not present in the ECM of normal tissues. Extracellular proteolysis is an important factor in the ability of malignant cells to penetrate normal tissues and metastasize. Decreased plasma tetranectin or increased tetranectin in stroma of cancers correlates with cancer progression and a grim prognosis. Tetranectin may also influence cancer growth by altering activities of plasminogen or the plasminogen fragment, Angiostatin, which inhibits tumor cell proliferation.

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CHROMOSOMAL LOCATION

Genetic locus: CLEC3B (human) mapping to 3p22-p21.3.

SOURCE

tetranectin (10E3) is a mouse monoclonal antibody raised against tetranectin purified from citrate plasma of human origin.

PRODUCT

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

APPLICATIONS

tetranectin (10E3) is recommended for detection of tetranectin of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000); may cross-react with tetranectin trimer in Western Blot.

Suitable for use as control antibody for tetranectin siRNA (h): sc-61675.

Molecular weight of tetranectin: 20 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

STORAGE

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

RESEARCH USE

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

PROTOCOLS

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