TOP1-2

Uniprot ID: P11387

Protein name: TOP1_HUMAN **Full name**: DNA topoisomerase 1

Protein existence: evidence at protein level

Function: The reaction catalyzed by topoisomerases leads to the conversion of one topological isomer of DNA to another. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in

endothelial cells.

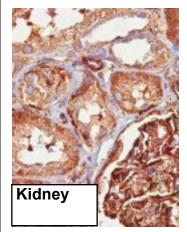
Subcellular location: Nucleus; Nucleolus. Nucleus; Nucleoplasm. *NOTE*: Diffuse nuclear localization with some enrichment in nucleoli. On CPT treatment, cleared from nucleoli into nucleoplasm. Sumolyated forms found in both nucleoplasm and nucleoli.

Tissue specificity: Endothelial cells.

Three antibodies: TOP1-1, TOP1-2 and TOP1-3 were tested. All three antibodies were failed for IHC.

TOP1-2 (CAB047348)

Fail

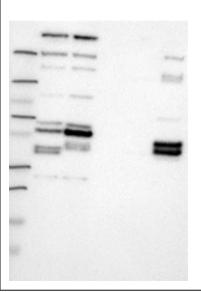


Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:250

IHC test staining: Cytoplasmic and membrane staining in many

tissues, conflicting with literature.



Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11 **WB Lanes:** Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5),

Tonsil(6)

WB Target weight (kDa): 91

WB Validation: Not supportive (Weak band of predicted size but with

additional bands of higher intensity also present)