

# 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)

