# CPTC-BCL10-1 (CAB080002)

**Uniprot ID**: O95999
**Protein name**: BCL10_HUMAN
**Full name**: B-cell lymphoma/leukemia 10
**Tissue specificity**: Ubiquitous.
**Function**: Involved in adaptive immune response (PubMed:25365219). Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK. May be an adapter protein between upstream TNFR1-TRADD-RIP complex and the downstream NIK-IKK-IKAP complex. Is a substrate for MALT1 (PubMed:18264101).
**Subcellular location**:
Cytoplasm > Perinuclear region (*experimental evidence*)
Membrane raft (*experimental evidence*)
*NOTE*: Appears to have a perinuclear, compact and filamentous pattern of expression. Also found in the nucleus of several types of tumor cells. Colocalized with DPP4 in membrane rafts.
**Protein existence**: Experimental evidence at protein level
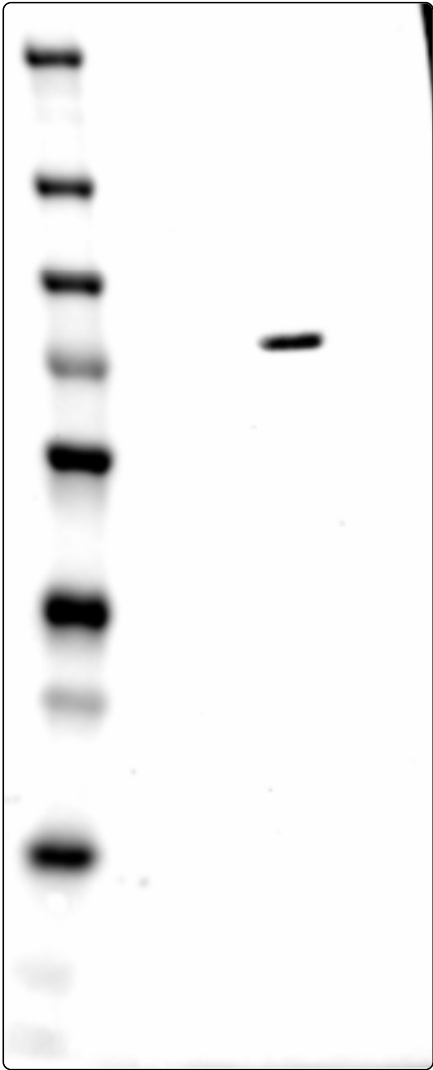
**Comment:**

## Immunohistochemistry


Rectum
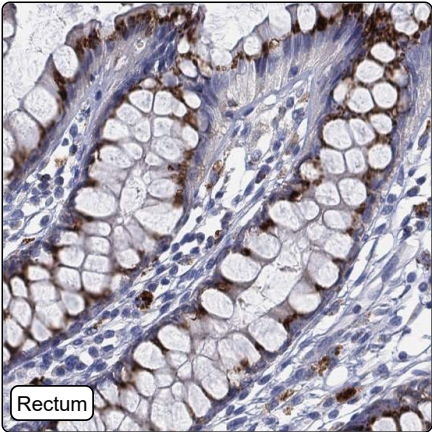
| IHC protocol: | HIER pH6, Dilution 1:250 |
|---|---|
| IHC test staining: | Moderate cytoplasmic positivity in gastrointestinal tract and neuronal processes. Remaining tissues were essentially negative. |
| Literature conformance: | Partly consistent with extensive gene/protein characterization data |
| Literature significance: | |
| RNA consistency: | Not consistent with RNA expression data |
| IHC Sibling similarity: | Other antibody shows dissimilar IHC staining pattern |
| IHC fail comment: | ANTIBODY FAILED: Dissimilar sibling,Not consistent with RNA |

## Immunofluorescence


RT4
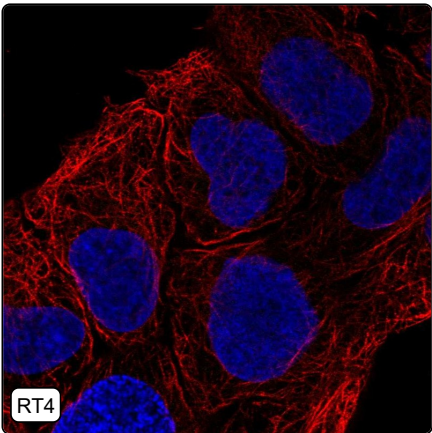
| IF Overlay: | antibody (green), anti-tubuline (red) and DAPI (blue) |
|---|---|
| IF main location: | |
| IF additional location: | |
| IF Antibody score: | Failed IF |
| IF in HEK 293: | Negative |
| IF in RT4: | Negative |
| IF in U-2 OS: | Negative |

# Western blot



| WB Size markers (kDa): | 250, 130, 100, 70, 55, 35, 25, 15, 10 |
|---|---|
| WB Lanes: | Marker (1), RT4 (2), U-251 MG (3), Plasma (4), Liver (5), Tonsil (6) |
| WB Target weight (kDa): | 18, 26 |
| WB Validation: | Uncertain (Single band differing more than +/-20% from predicted size in kDa and not supported by experimental and/or bioinformatic data.) |

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