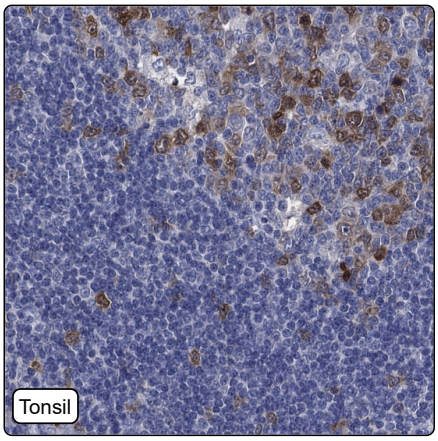
CPTC-UBE2C-2 (CAB080407)

Uniprot ID: O00762
Protein name: UBE2C_HUMAN
Full name: Ubiquitin-conjugating enzyme E2 C
Function: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. Acts by initiating 'Lys-11'-linked polyubiquitin chains on APC/C substrates, leading to the degradation of APC/C substrates by the proteasome and promoting mitotic exit.
Protein existence: Experimental evidence at protein level

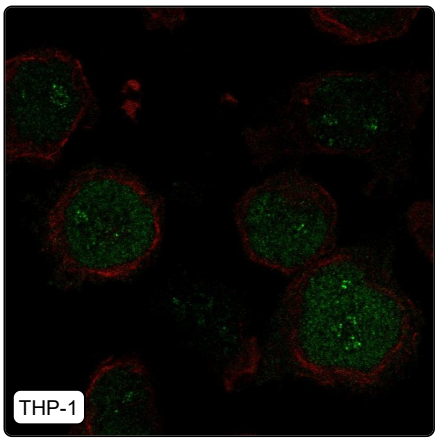
Comment:

Immunohistochemistry



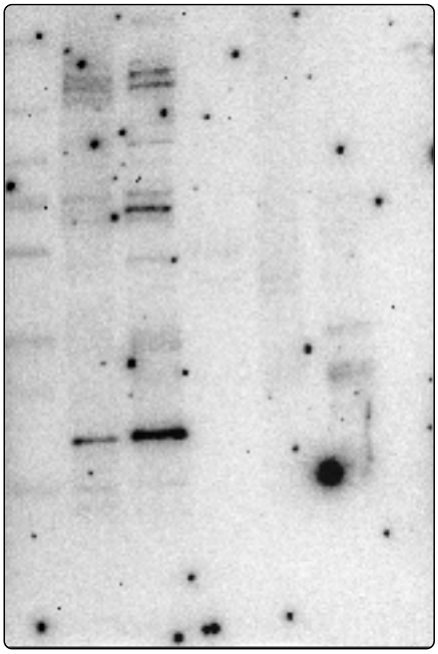
IHC protocol:	HIER pH6, Dilution 1:75
IHC test staining:	Cytoplasmic positivity in immune cells.
Literature conformance:	Partly consistent with extensive gene/protein characterization data
Literature significance:	
RNA similarity:	Low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Tissue enhanced (bone marrow,lymphoid tissue)
RNA tissue distribution:	Detected in many
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern

Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Nucleoli fibrillar center - 7: **Approved** (auto) Nucleoplasm - 7: **Approved** (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Nucleoplasm Nucleoli Fibrillar center

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10
WB Lanes:	Marker (1), RT-4 (2), U-251MG (3), Plasma (4), Liver (5), Tonsil (6)
WB Target weight (kDa):	5, 8, 14, 16, 17, 17, 20
WB Validation:	Supported (Band of predicted size in kDa (+/-20%) with additional bands present.)