

CPTC-UBE2E1 -1 (CAB080048)

Uniprot ID: [P51965](#)

Protein name: UB2E1_HUMAN

Full name: Ubiquitin-conjugating enzyme E2 E1

Function: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes the covalent attachment of ISG15 to other proteins. Mediates the selective degradation of short-lived and abnormal proteins. In vitro also catalyzes 'Lys-48'-linked polyubiquitination.

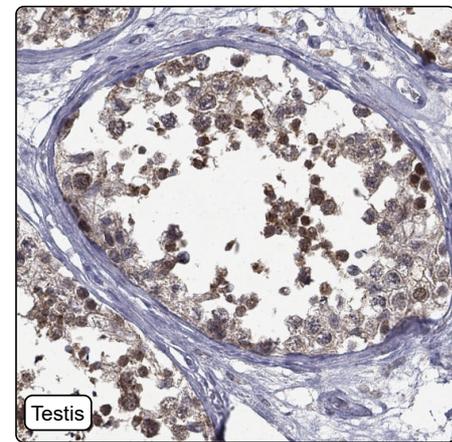
Subcellular location:

Nucleus (*experimental evidence*)

Protein existence: Experimental evidence at protein level

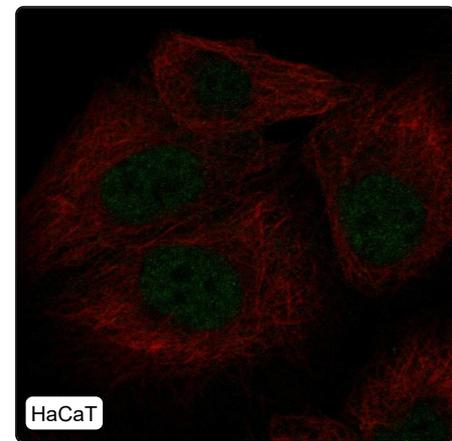
Comment:

Immunohistochemistry



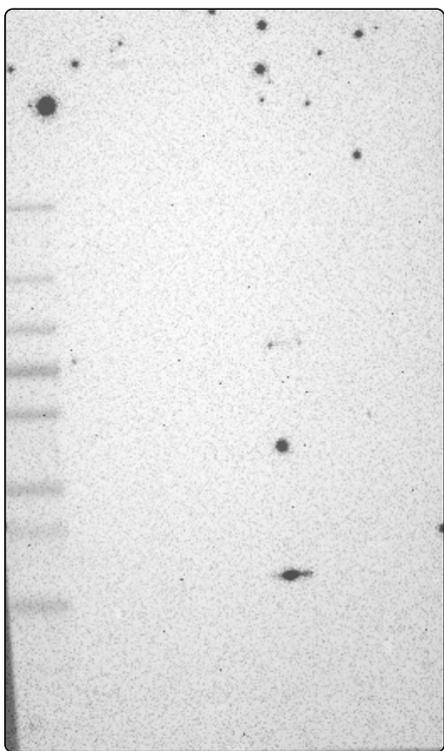
IHC protocol:	HIER pH6, Dilution 1:500
IHC test staining:	Cytoplasmic positivity in gastrointestinal tract, testis, pancreas and endometrium. Additional strong nuclear positivity in testis.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Low tissue specificity
RNA tissue distribution:	Detected in all
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern

Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Nucleoplasm - 1 [3]: Supportive (auto)
IF additional location:	
IF approved for publication on HPA:	Yes
IF in HaCaT:	Nucleoplasm
IF in U-251 MG:	Nucleoplasm
IF in U-2 OS:	Nucleoplasm

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):	16, 17, 18, 19, 19, 21
WB Validation:	Uncertain (No bands detected.)