

UBE2E2-2

Uniprot ID: Q96LR5

Protein name: UB2E2_HUMAN

Full name: Ubiquitin-conjugating enzyme E2 E2

Protein existence: evidence at protein level

Function: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. Catalyzes the ISGylation of influenza A virus NS1 protein.

Three antibodies: UBE2E2-1, UBE2E2-2 and UBE2E2-3 were tested. UBE2E2-2 was selected for full protein profiling.

UBE2E2-2 (CAB073417)

OK

Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:6000

IHC test staining: Cytoplasmic and cell junction staining in most tissues. Additional nuclear positivity in placenta testis and fallopian tube.

IHC Annotators comments

Most normal tissues showed weak to moderate nuclear, cytoplasmic and membranous staining. Intestinal tract displayed strong membranous and cytoplasmic positivity. The neuropil showed strong positivity. Squamous epithelia showed moderate to strong nuclear staining. Liver, cells in glomeruli, Leydig cells, spleen and muscle myocytes were negative.

Most cancer tissues showed weak to moderate nuclear, cytoplasmic and membranous staining. Few cases of glioma, prostate along with rare case of melanoma, duct carcinoma of breast, cholangiocarcinoma and endometrial cancer showed strong nuclear positivity. Carcinoid and renal cancers were negative.

Pending Immunofluorescence

Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 10

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 22.3, 18.1, 10.4

WB Validation: Supportive (Band of predicted size in kDa (+/-20%) with additional bands present)

