

KIAA1967-1

Uniprot ID: Q8N163

Protein name: CCAR2_HUMAN

Full name: Cell cycle and apoptosis regulator protein 2

Protein existence: evidence at protein level

Function: Core component of the DBIRD complex, a multiprotein complex that acts at the interface between core mRNP particles and RNA polymerase II (RNAPII) and integrates transcript elongation with the regulation of alternative splicing: the DBIRD complex affects local transcript elongation rates and alternative splicing of a large set of exons embedded in (A + T)-rich DNA regions.

Two antibodies: KIAA1967-1 and KIAA1967-2 were tested. KIAA1967-1 was selected for full protein profiling.

KIAA1967-1 (CAB072827)

OK

Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:60000

IHC test staining: Prominent nuclear staining in a majority of tissues.

IHC Annotators comments

Normal tissues showed moderate to strong nuclear staining. The neuropil were negative.

Cancer tissues showed moderate to strong nuclear staining.

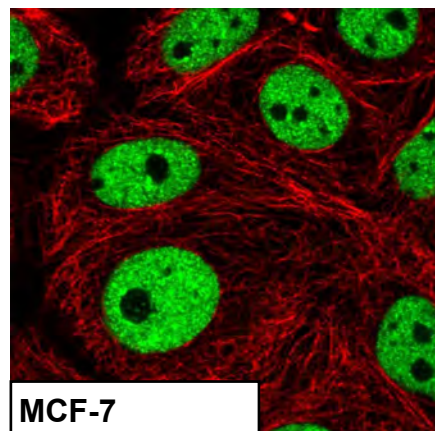


Immunofluorescence

IF Overlay: antibody (green) and anti-tubuline (red)

IF Localization: Positivity in nucleus but excluded from the nucleoli

IF Validation: The subcellular location is supported by literature



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): 102.9, 68.8, 67.3, 31.1, 30.4, 19.3, 17.5, 16.3, 16.1, 8.9

WB Validation: Non-supportive (Weak band of predicted size but with additional bands of higher intensity also present)

