

Anti-DC-UbP Antibody

ORDERING INFORMATION

Catalog No.: 11094

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

DC-UbP is a 26 kDa ubiquitin-like protein from dendritic cells comprised of 106 amino acids. The ubiquitin domain in DC-UbP shares 28.6% identity with ubiquitin, but it does not have the conserved C-terminus Gly-Gly of ubiquitin required for ubiquitination. DC-UbP is found in cytoplasm (particularly in mitochondria), and DC-UbP mRNA is expressed in various tumor cell types, but not in normal adult human tissues, which suggests a role for DC-UbP in tumorigenesis. In addition, DC-UbP appears to be downregulated during cellular differentiation and apoptosis.

BACKGROUND REFERENCE

Liu S, et al. 2003 Biochem Biophys Res Commun 300: 800-805.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 197-212 (SGRPLTDKMKFEELKI) of human DC-UbP precursor conjugated to KLH at the N-terminus. This sequence is 93% identical with those of mouse and rat DC-UbP.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human, mouse, and rat DC-UbP.

APPLICATIONS

ELISA: 1:1,000-1:10,000 with Dc-UbP on the solid phase. The investigator should determine the optimal dilution for their application.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.