

Mouse Monoclonal Antibody to UBE1L

Catalogue Number sAP-0447

Target Molecule **Name:** UBE1L

Aliases: D8; UBE2; UBA1B; UBE1L; MGC12713; UBA7

MW: 112kDa

Entrez Gene ID: 7318

Description The modification of proteins with ubiquitin is an important cellular mechanism for targeting. Tissue specificity: Expressed in a variety of normal and tumor cell types, but is reduced in lung cancer cell lines abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme is a retinoid target that triggers promyelocytic leukemia (PML)/retinoic acid receptor alpha (RARalpha) degradation and apoptosis in acute promyelocytic leukemia, where it is involved in the conjugation of the ubiquitin-like interferon-stimulated gene 15 protein.

Immunogen Purified recombinant fragment of human UBE1L expressed in E. Coli.

Reactive Species Human

Clone MM5B10;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Cancer Res. 1992 Mar 15;52(6):1536-41 ; 2. Proc Natl Acad Sci U S A. 1993 Jul 1;90(13):6071-5. ; 3. Proc Natl Acad Sci U S A. 2002 Mar 19;99(6):3806-11.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**