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Certificate of Analysis

Product: Affinity Purified Anti-Ubiquitin-Conjugating Enzyme E2 J1 (Ube2j1) [Rabbit]

Code: 600-401-991

Lot # 22962

Size: 100 µg

Physical State: Liquid (sterile filtered)

Protein Concentration: 0.71 mg/ml (by UV absorbance at 280 nm)

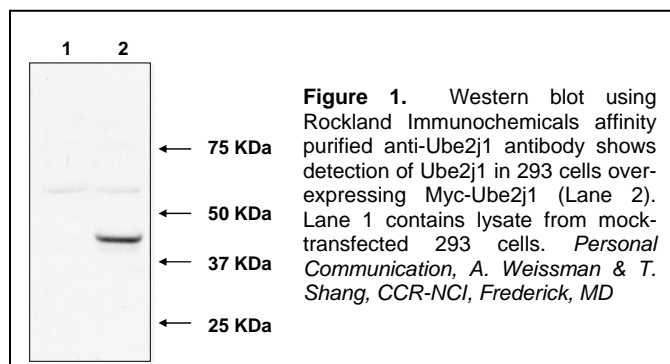
Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Storage Conditions: Store vial at -20° C or below prior to opening. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening product.

Background Information: Ube2j1 and Ube2j2 are homologs of the yeast ubiquitin-conjugating enzyme UBC6, which catalyzes the covalent attachment of ubiquitin to other proteins. These proteins constitute a distinct family of ubiquitin-conjugating enzymes sharing a conserved non-canonical active site sequence and a C-terminal transmembrane domain. By analogy with yeast UBC6, Ube2j1 and Ube2j2 are localized to the endoplasmic reticulum and seem to function in the selective degradation of misfolded membrane proteins and in general mediation of the stress response.



Application Note(s): This affinity purified antibody has been tested for use in ELISA, western blotting and immunoprecipitation. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 35-40 kDa in size corresponding to Ube2j1 protein by western blotting in the appropriate cell lysate or extract.

Recommended Dilutions:	ELISA	1:1,000 - 1:5,000
	WESTERN BLOT	1:200 - 1:2,000
	IMMUNOPRECIPITATION	1-2 µg
	OTHER APPLICATIONS	User Optimized

Purity and Specificity: This affinity purified antibody is directed against human Ube2j1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with Ube2j1 protein from human, mouse and rat based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.

