

UBE2J2 Rabbit pAb

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Catalog # AP58984

Product Information

Application	WB
Primary Accession	Q8N2K1
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28898
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human UBE2J2
Epitope Specificity	1-100/259
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane; Single-pass type IV membrane protein (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Ubiquitination is an important molecular mechanism by which abnormal or short-lived proteins are targeted for degradation by the concerted efforts of at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). UBE2J2 (Ubiquitin-conjugating enzyme E2 J2), also known as NCUBE2 (Non-canonical ubiquitin-conjugating enzyme 2), is a 259 amino acid single pass type IV membrane protein that belongs to the E2 ubiquitin-conjugating enzyme family and is involved in protein degradation. Localized to the membrane of the endoplasmic reticulum (ER), UBE2J2 catalyzes the attachment of ubiquitin to misfolded membrane proteins, thereby targeting them for proteasomal destruction. This ATP-dependent reaction yields AMP, a diphosphate and a ubiquitin-tagged protein and may be a method of quality control within the ER. Two isoforms of UBE2J2 exist due to alternative splicing events.

Additional Information

Gene ID	118424
Other Names	Ubiquitin-conjugating enzyme E2 J2, 2.3.2.23, E2 ubiquitin-conjugating enzyme J2, Non-canonical ubiquitin-conjugating enzyme 2, NCUBE-2, UBE2J2, NCUBE2
Dilution	WB=1:500-2000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

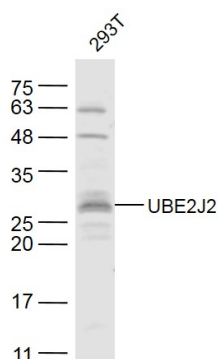
Protein Information

Name	UBE2J2
Synonyms	NCUBE2
Function	Catalyzes the covalent attachment of ubiquitin to other proteins. Seems to function in the selective degradation of misfolded membrane proteins from the endoplasmic reticulum (ERAD) (By similarity). In cooperation with the GATOR2 complex, catalyzes 'Lys-6'- linked ubiquitination of NPRL2 (PubMed: 36528027).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q9Y385}; Single-pass type IV membrane protein {ECO:0000250 UniProtKB:Q9Y385}

Background

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Images



Sample:
293T(Human) Cell Lysate at 40 ug
Primary: Anti-UBE2J2 (AP58984) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 29 kD
Observed band size: 29 kD

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