

Product datasheet for **AM11046PU-N**

UBE2I Mouse Monoclonal Antibody [Clone ID: 67AT1273.95.90]

Product data:

Product Type:	Primary Antibodies
Clone Name:	67AT1273.95.90
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	purified GST-UBC9 fusion protein.
Specificity:	This antibody is specific to UBC9.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin conjugating enzyme E2 I
Database Link:	Entrez Gene 7329 Human P63279



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Background:

Human Ubiquitin Conjugating Enzyme 9 (Ubc9) is a member of the E2 family and is specific for the conjugation of SUMO to a variety of target proteins. SUMO conjugation to target proteins is mediated by a different, but analogous, pathway to ubiquitinylation. This E2 is unusual in that it interacts directly with protein substrates that are modified by sumoylation, and may play a role in substrate recognition. Ubc9 can mediate the conjugation of SUMO-1 to a variety of proteins including RanGAP1, IκBα, and PML without the requirement of an E3 ligase. Ubc9 is essential for nuclear architecture and chromosome segregation.

Synonyms:

UBCE9, Ube2i, Ubce2i, SUMO-protein ligase

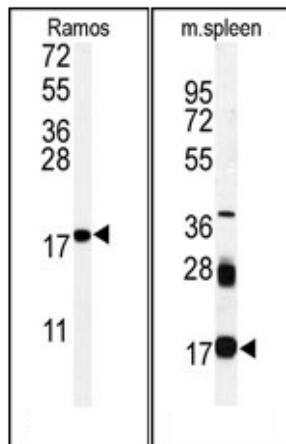
Product images:


Figure 1. (LEFT) Western blot analysis of anti-UBE2I Antibody in Ramos cell line lysates (35ug/lane). UBE2I (arrow) was detected using the purified Mab. (RIGHT) Western blot analysis of anti-UBE2I Antibody (C-term) in mouse spleen tissue lysates (35ug/lane). UBE2I (arrow) was detected using the purified Mab.