

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human UBE2M/Ubc12 in Western blots.
Source	Polyclonal Rabbit IgG
Purification	Protein A or G purified
Immunogen	Full-length, highly purified human UbcH12 protein
Formulation	Supplied in a solution of PBS and Glycerol. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Recommended dilution range for Western blot analysis is 1:100 to 1:1000.

PREPARATION AND STORAGE

Shipping	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Store unopened vial at -80°C. Avoid repeated freeze-thaw cycles. Aliquot antibody in small volumes prior to freezing.

BACKGROUND

NEDDylation requires the coordinated activities of UbcH12 and the APP-BP1/Uba3 activating enzyme. This E2 enzyme mediates the covalent conjugation of the ubiquitin-like protein NEDD8 to a limited number of cellular proteins such as Cdc53/Cul1 and other members of the cullin family (which are structural subunits of the Skp1-based and elongin B/C-based families of ubiquitin protein ligases). The NEDD8 pathway is essential for cell viability in fission yeast, and in mammalian cells it is essential for cell cycle progression and morphogenesis.