

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human UBE2M/Ubc12 in Western blots.
<b>Source</b>	Polyclonal Rabbit IgG
<b>Purification</b>	Protein A or G purified
<b>Immunogen</b>	Full-length, highly purified human UbcH12 protein
<b>Formulation</b>	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.

<b>Western Blot</b>	Recommended dilution range for Western blot analysis is 1:100 to 1:1000.
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**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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-BPI/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.