
MATERIAL DATA SHEET

Anti-UbcH12**Cat. # A-655**

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.

Product Information

Quantity:	200 µl
Source:	Protein A affinity purified rabbit polyclonal antibody.
Antigen:	Full-length, highly purified human UbcH12 protein.
Stock:	PBS pH 7.4, 20% glycerol.

Use & Storage

Specificity:	Recommended dilution range for Western blot analysis is 1:100 to 1:1000.
Storage:	Store unopened vial at -80°C. Avoid repeated freeze-thaw cycles. Aliquot antibody in small volumes prior to freezing.

Literature

References:	Amir R.E., <i>et al.</i> (2002) <i>J. Biol. Chem.</i> 277 : 23253-23259
	Gong L., <i>et al.</i> (1999) <i>J. Biol. Chem.</i> 274 : 12036-12042
	Hochstrasser M. (2000) <i>Nat. Cell. Biol.</i> 2 : E153-E157
	Osaka F., <i>et al.</i> (1998) <i>Genes. Dev.</i> 12 :2263-2268
	Podust V.N., <i>et al.</i> (2000) <i>Proc. Natl. Acad. Sci.</i> 97 :4579-4584
	Tateishi K., <i>et al.</i> (2001) <i>J. Cell. Biol.</i> 155 :571-580
	Wada H., <i>et al.</i> (2000) <i>J. Biol. Chem.</i> 275 : 17008-17015

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