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NCE2 Rabbit pAb

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Catalog # AP58982

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q969M7
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21077
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NCE2
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX2, but not RBX1, suggests that the RBX2-UBE2F complex neddylates specific target proteins, such as CUL5.

Additional Information

Gene ID	140739
Other Names	NEDD8-conjugating enzyme UBE2F, 2.3.2.34, NEDD8 carrier protein UBE2F, NEDD8 protein ligase UBE2F, NEDD8-conjugating enzyme 2, RING-type E3 NEDD8 transferase UBE2F, Ubiquitin-conjugating enzyme E2 F, UBE2F, NCE2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	UBE2F
Synonyms	NCE2

Function	Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins (PubMed:19250909, PubMed:23201271). Together with the E3 ubiquitin ligase RNF7/RBX2, specifically neddylates cullin-5 (CUL5) (PubMed:19250909, PubMed:23201271, PubMed:23300442). Does not neddylate CUL1, CUL2, CUL3, CUL4A or CUL4B (PubMed:19250909, PubMed:23201271). Mediates neddylation of the CUL9-RBX1 complex (PubMed:38605244).
Tissue Location	Widely expressed (at protein level).

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.