

Product datasheet for **AP16957PU-N**

NCE2 (UBE2F) (C-term) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Peptide ELISA: 1/32000 (Detection Limit). Western blot: 0.05-0.2 µg/ml. Approx. 20kDa band observed in Mouse Liver lysates. Immunohistochemistry on Paraffin Sections: 2.5-3.8 µg/ml. In paraffin embedded Human Placenta shows membrane staining in trophoblasts.
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C Terminus of the protein sequence according to NP_542409.1.
Specificity:	This antibody recognizes NCE2 / UBE2F.
Formulation:	Tris buffered saline, pH~7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
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 F (putative)
Database Link:	Entrez Gene 140739 Human Q969M7



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Background:

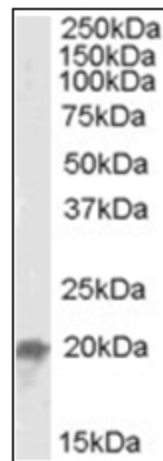
NCE2 is a ubiquitin conjugating enzyme. Ubiquitin is a 76 amino acid highly conserved eukaryotic polypeptide that selectively marks cellular proteins for proteolytic degradation by the 26S proteasome. The process of target selection, covalent attachment and shuttle to the 26S proteasome is a vital means of regulating the concentrations of key regulatory proteins in the cell by limiting their lifespans. Polyubiquitination is a common feature of this modification. Serial steps for modification include the activation of ubiquitin, an ATP dependent formation of a thioester bond between ubiquitin and the enzyme E1, transfer by transacylation of ubiquitin from E1 to the ubiquitin conjugating enzyme E2, and covalent linkage to the target protein directly by E2 or via E3 ligase enzyme. Deubiquitination enzymes also exist to reverse the marking of protein substrates. Posttranslational tagging by Ub is involved in a multitude of cellular processes, including the cell cycle, cell growth and differentiation, embryogenesis, apoptosis, signal transduction, DNA repair, regulation of transcription and DNA replication, transmembrane transport, stress responses, the immune response, and nervous system functions.

Synonyms:

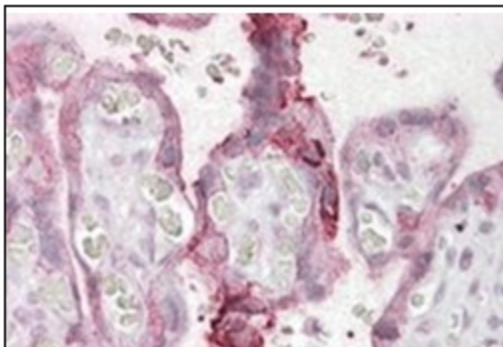
NEDD8-conjugating enzyme 2, NEDD8 carrier protein, NEDD8 protein ligase UBE2F

Note:

Calculated Molecular Weight: 21.1kDa (Human NP_542409.1 and Mouse NP_080730.1).

Product images:

Staining of Mouse Liver lysate (35ug protein in RIPA buffer) using UBE2F Antibody at 0.05 ug/ml. Primary incubation was 1 hour. Detected by chemiluminescence.



Staining of paraffin embedded Human Placenta using UBE2F Antibody at 2.5-3.8 ug/ml.

