

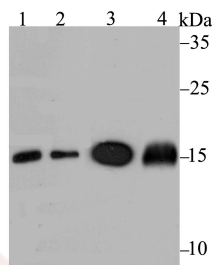
Anti-Ube2N Antibody (8H957)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 17 kDa.
Clone:	8H957
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of Ube2N on different lysates using anti-Ube2N antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi, Lane 2: SH-SY-5Y, Lane 3: Mouse spleen, Lane 4: Rat spleen.



Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Ube2N aa 1-150
Antigen Species:	Human
Uniprot ID:	P61088
Synonyms:	EC 6.3.2.19;UbcH-ben;Ube2n;Bendless-like ubiquitin-conjugating enzyme;Yeast UBC13 homolog;Ubiquitin-conjugating enzyme E2 N;Ubiquitin conjugating enzyme E2N;Bendless like ubiquitin conjugating enzyme;UBE2N_HUMAN;Human epidermoid carcinoma mRNA for ubiquitin-conjugating enzyme E2 similar to Drosophila bendless gene product complete cds; Ubiquitin conjugating enzyme E2 N;Ubiquitin conjugating enzyme E2N (homologous to yeast UBC13);BLU;MGC8489;Ubiquitin carrier protein N;UBCHBEN;Epididymis secretory protein Li 71; UbCH ben;Ubiquitin-protein ligase N;Ubiquitin conjugating enzyme E2N (UBC13 homolog yeast);UBC 13;MGC131857;Ubc13;Ubiquitin protein ligase N;HEL-S-71;Ube 2N;UbcH13

Research Background

Ube2N, a member of the E2 Ubiquitin-conjugating enzyme family, completes the second step of ubiquitination reactions, essentially targeting proteins for proteasomic degradation. When proteins are modified with ubiquitin in an important cellular mechanism targeting abnormal or short lived proteins, ubiquitin, a short protein of 76 amino acids, attaches to a lysine residue resting on the target protein. Multiple cycles of ubiquitination create a polyubiquitin chain that the proteasome recognizes and subsequently triggers the ATP-dependent unfolding of the target protein. This allows proteolytic degradation of the target protein. These degradation products are highly expressed in heart and skeletal muscles. Ube2N moderates the transcriptional activation of target genes, affects the progress of cell differentiation and aging, and also influences the DNA repair pathway, further adding to the survival of cells after DNA damage.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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