

Ube2N Conjugated Antibody

Catalog No: #C49943



Package Size: #C49943-AF350 100ul #C49943-AF405 100ul #C49943-AF488 100ul
 #C49943-AF555 100ul #C49943-AF594 100ul #C49943-AF647 100ul
 #C49943-AF680 100ul #C49943-AF750 100ul #C49943-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Ube2N Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human Ube2N aa 1-150.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Bendless like ubiquitin conjugating enzyme antibody Bendless-like ubiquitin-conjugating enzyme antibody BLU antibody EC 6.3.2.19 antibody Epididymis secretory protein Li 71 antibody HEL-S-71 antibody Human epidermoid carcinoma mRNA for ubiquitin-conjugating enzyme E2 similar to Drosophila bendless gene product complete cds antibody MGC131857 antibody MGC8489 antibody UBC 13 antibody Ubc13 antibody UbCH ben antibody Ubch-ben antibody Ubch13 antibody UBCHBEN antibody Ube 2N antibody Ube2n antibody UBE2N_HUMAN antibody Ubiquitin carrier protein N antibody Ubiquitin conjugating enzyme E2 N antibody Ubiquitin conjugating enzyme E2N (homologous to yeast UBC13) antibody Ubiquitin conjugating enzyme E2N (UBC13 homolog yeast) antibody Ubiquitin conjugating enzyme E2N antibody Ubiquitin protein ligase N antibody Ubiquitin-conjugating enzyme E2 N antibody Ubiquitin-protein ligase N antibody Yeast UBC13 homolog antibody
Accession No.	Swiss-Prot#:P61088
Uniprot	P61088
GeneID	7334;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	17 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only