

UBE 3B

Cat.No. 339 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 707 to 1072 from mouse UBE3B (UniProt Id: Q9ES34)
Reactivity	Reacts with: rat, mouse (Q9ES34). Other species not tested yet.
Specificity	Detects a protein of the expected size in hippocampus homogenate.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

UBE 3B is an E3 ubiquitin ligase and accepts ubiquitin from an E2 ubiquitin conjugating enzyme in the form of a thioester and then transfers it to targeted substrates.
Loss of function mutations of this protein are associated with Kaufman oculocerebrofacial syndrome.

Selected General References

Loss of function of the E3 ubiquitin-protein ligase UBE3B causes Kaufman oculocerebrofacial syndrome.
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Deficiency for the ubiquitin ligase UBE3B in a blepharophimosis-ptosis-intellectual-disability syndrome.
Basel-Vanagaite L, Dallapiccola B, Ramirez-Solis R, Segref A, Thiele H, Edwards A, Arends MJ, Miró X, White JK, Désir J, Abramowicz M, et al.
American journal of human genetics (2012) 91(6): 998-1010.

Characterization of the human UBE3B gene: structure, expression, evolution, and alternative splicing.
Gong TW, Huang L, Warner SJ, Lomax MI
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