

Anti-UBE3B Antibody

Catalog # AP53926

Product Information

Application	WB, IHC
Primary Accession	Q7Z3V4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	123098

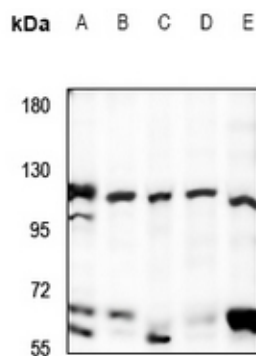
Additional Information

Gene ID	89910
Other Names	Ubiquitin-protein ligase E3B
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human UBE3B. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

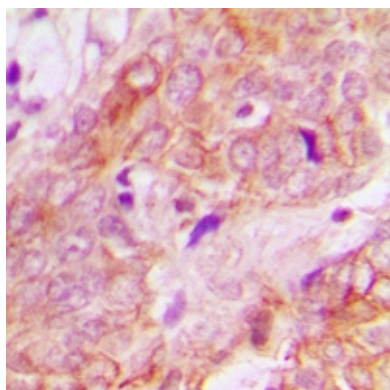
Protein Information

Name	UBE3B
Function	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Ubiquitinates BCKDK and targets it for degradation, thereby regulating various metabolic processes (By similarity). Involved in the positive regulation of neurite branching in hippocampal neurons and the control of neuronal spine number and morphology, through the ubiquitination of PPP3CC (By similarity).
Cellular Location	Postsynaptic density {ECO:0000250 UniProtKB:Q9ES34}
Tissue Location	Widely expressed..

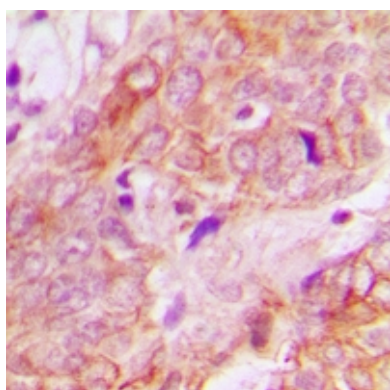
Images



Western blot analysis of UBE3B expression in PC12 (A), CT26 (B), SGC7901 (C), MCF7 (D), HEK293T (E) whole cell lysates. (Predicted band size: 123 kD; Observed band size: 123 kD)



Immunohistochemical analysis of UBE3B staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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