

Product Name: KD-Validated APBB1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01552**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 77.2kDa

Antigen Information

Gene Name	APBB1
Alternative Names	APBB1; Amyloid Beta Precursor Protein Binding Family B Member 1; FE65; RIR; Amyloid Beta (A4) Precursor Protein-Binding, Family B, Member 1 (Fe65); Amyloid-Beta A4 Precursor Protein-Binding Family B Member 1; Adaptor Protein FE65a2; Stat-Like Protein; Protein Fe65; MGC:9072; Fe65
Gene ID	322.0
SwissProt ID	O00213
Immunogen	A synthesized peptide derived from human FE65

Background

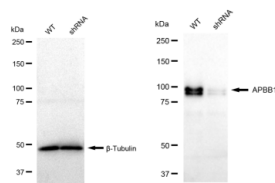
The protein encoded by this gene is a member of the Fe65 protein family. It is an adaptor protein localized in the nucleus. It

interacts with the Alzheimer's disease amyloid precursor protein (APP), transcription factor CP2/LSF/LBP1 and the low-density lipoprotein receptor-related protein. APP functions as a cytosolic anchoring site that can prevent the gene product's nuclear translocation. This encoded protein could play an important role in the pathogenesis of Alzheimer's disease. It is thought to regulate transcription. Also it is observed to block cell cycle progression by downregulating thymidylate synthase expression. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Mar 2012]

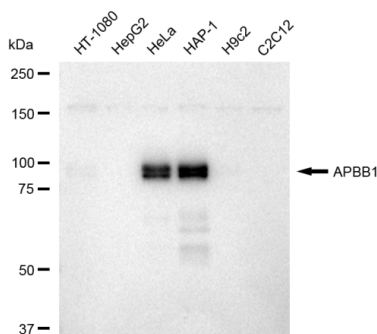
Research Area

Neuroscience, Signal Transduction

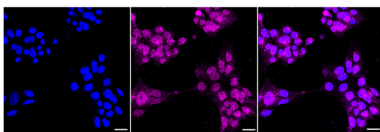
Image Data



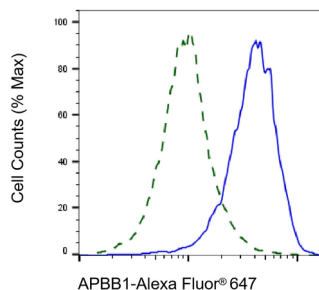
Western blotting analysis using APBB1 antibody (KVA01552). APBB1 expression in wild type (WT) and APBB1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with APBB1 antibody (KVA01552, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



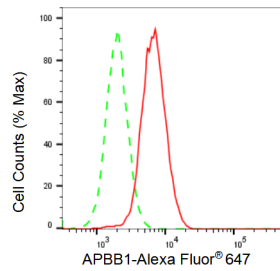
Western blotting analysis using APBB1 antibody (KVA01552). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with APBB1 antibody (KVA01552, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with APBB1 antibody (KVA01552, 1:1,000). Nuclei were stained blue with DAPI; APBB1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 μ m.



Validation of APBB1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with APBB1 antibody (KVA01552, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of APBB1 expression in HAP-1 cells using APBB1 antibody (KVA01552, 1:2,000). Green, isotype control; red, APBB1.