Datasheet for ABIN2786224

anti-FE65 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	FE65 (APBB1)
Binding Specificity:	N-Term
Reactivity:	Mouse, Human, Rat, Rabbit, Dog, Horse, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FE65 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Mouse
Sequence:	DGPREHSKSA SLLFGMRNSA ASDEDSSWAT LSQGSPSYGS PEDTDSFWNP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against Apbb1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FE65 (APBB1)
Alternative Name:	Apbb1 (APBB1 Products)

Target Details

Background:	Apbb1 is an adapter protein that forms a transcriptionally active complex with the gamma-secretase-derived amyloid precursor protein (APP) intracellular domain.Apbb1 plays a central role in the response to DNA damage by translocating to the nucleus and inducing apoptosis. Apbb1 may act by specifically recognizing and binding histone H2AX phosphorylated on 'Tyr-142' (H2AXY142ph) at double-strand breaks (DSBs), recruiting other pro-apoptosis factors such as MAPK8/JNK1. Apbb1 is required for histone H4 acetylation at double-strand breaks (DSBs). Its ability to specifically bind modified histones and chromatin modifying enzymes such as KAT5/TIP60, probably explains its trancription activation activity.Apbb1 functions in association with TSHZ3, SET and HDAC factors as a transcriptional repressor, that inhibits the expression of CASP4. Apbb1 is associates with chromatin in a region surrounding the CASP4 transcriptional start site(s). Alias Symbols: Fe65, Rir Protein Interaction Partner: Rnf157, Enah, Prnp, APP, APLP2, APLP1, Evl, Protein Size: 708
Molecular Weight:	78 kDa
Gene ID:	11785
NCBI Accession:	NM_009685, NP_033815
UniProt:	Q9QXJ1
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 708 AA
Restrictions:	For Research Use only

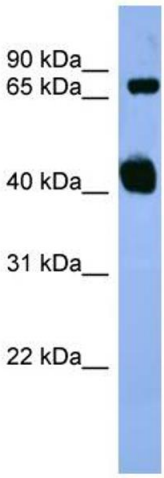
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

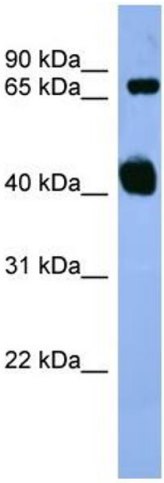


Western Blotting

Image 1. WB Suggested Anti-Apbb1 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Mouse Heart



Rabbit Anti-Apbb1 Antibody
Catalog Number: ARP55471
Lot Number: QC25233
Lane: Mouse Heart Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-Apbb1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Mouse Heart