

DATASHEET

FBXO45 Rabbit Polyclonal Antibody

CAT. NO. APA19144

KEY FEATURES

Target	FBXO45	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Component of E3 ubiquitin ligase complex consisting of FBXO45, MYCBP2 and SKP1 . Functions in substrate recognition but also plays an important role in assembly of the complex . Required for normal neuromuscular synaptogenesis, axon pathfinding and neuronal migration . Regulates neuron migration during brain development through interaction with N-cadherin/CDH2 after secretion via a non-classical mechanism . Plays a role in the regulation of neurotransmission at mature neurons . May control synaptic activity by controlling UNC13A via ubiquitin dependent pathway . Specifically recognizes TP73, promoting its ubiquitination and degradation. Polyubiquitinates NMNAT2, an adenylyltransferase that acts as an axon maintenance factor, and regulates its stability and degradation by the proteasome .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

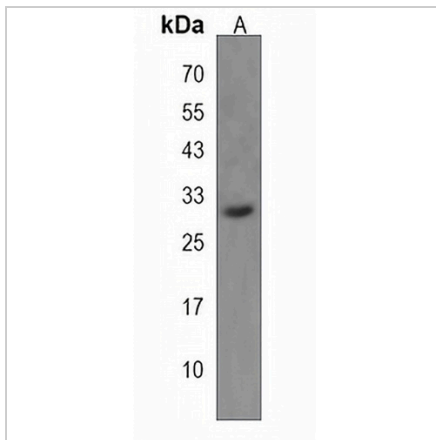
Description	Rabbit polyclonal antibody to FBXO45
Specificity	Recognizes endogenous levels of FBXO45 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the Central region of human FBXO45. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 30 kD; Observed: 31 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	FBX45; F-box/SPRY domain-containing protein 1; F-box only protein 45; hFbxo45
Gene Symbol	FBXO45
Entrez Gene	200933(Human)
SwissProt	POC2W1(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of FBXO45 expression in HT1080 (A) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 31 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.