ARG41915
anti-FBXO45 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FBXO45
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FBXO45
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 83-115 of Human FBXO45.
Conjugation	Un-conjugated
Alternate Names	F-box/SPRY domain-containing protein 1; F-box only protein 45; Fbx45; hFbxo45

Application Instructions

Application table

Application	Dilution
WB	1:1000 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HT-1080
Observed Size	~ 30 kDa

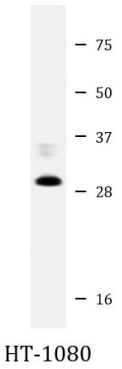
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FBXO45
Gene Full Name	F-box protein 45
Background	Members of the F-box protein family, such as FBXO45, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (summary by Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Jan 2011]
Function	Component of E3 ubiquitin ligase complexes. Required for normal neuromuscular synaptogenesis, axon pathfinding and neuronal migration (By similarity). Plays a role in the regulation of neurotransmission at mature neurons (By similarity). May controls synaptic activity by controlling UNC13A via ubiquitin dependent pathway (By similarity). Specifically recognizes TP73, promoting its ubiquitination and degradation. [UniProt]
Calculated Mw	31 kDa
Cellular Localization	Cell junction, synapse, postsynaptic cell membrane. Cell junction, synapse, presynaptic cell membrane. [UniProt]

Images



ARG41915 anti-FBXO45 antibody WB image

Western blot: 20 µg of HT-1080 whole cell lysate stained with ARG41915 anti-FBXO45 antibody at 1:2000 dilution.