

Datasheet for ABIN2781486

anti-OPTN antibody (C-Term)





Overview

Quantity:	100 μL
Target:	OPTN
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Cow, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPTN antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human OPTN
Sequence:	SDQQAYLVQR GAEDRDWRQQ RNIPIHSCPK CGEVLPDIDT LQIHVMDCII
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against OPTN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	OPTN

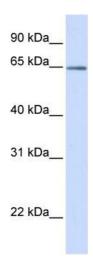
Target Details

Alternative Name:	OPTN (OPTN Products)
Background:	OPTN is the coiled-coil containing protein optineurin. Optineurin may play a role in normal-
	tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with
	adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand
	pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also
	function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and
	transcription activation through its interactions with the RAB8, huntingtin, and transcription
	factor IIIA proteins. This gene encodes the coiled-coil containing protein optineurin. Optineurin
	may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma.
	Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-
	alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction.
	Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle
	trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and
	transcription factor IIIA proteins. Alternative splicing results in multiple transcript variants
	encoding the same protein.
	Alias Symbols: FIP2, GLC1E, HIP7, HYPL, NRP, TFIIIA-INTP, ALS12
	Protein Interaction Partner: RAB10, TNIP1, OPTN, DAZAP2, CDC23, UBC, PARK2, ZNF670,
	ZNF329, TBC1D15, ZNF398, CCDC53, MAP1LC3A, TBC1D17, HACE1, RAB25, RAB11B,
	SQSTM1, RAB11A, Rab8a, Tfrc, BRE, FAM178A, UQCRQ, GNAS, RAB12, EPS15, RAB14,
	MAP1LC3B, PIAS4, RNF11, RIPK1, TNFRSF1A, TNF, HTT
	Protein Size: 577
Molecular Weight:	66 kDa
Gene ID:	10133
NCBI Accession:	NM_021980, NP_068815
UniProt:	Q96CV9
Pathways:	M Phase
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 577 AA

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
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-OPTN Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: MCF7 cell lysate