

Datasheet for ABIN2787355
anti-OPA1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	OPA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Cow, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SPEETAFRAT DRGSESDKHF RKVSDKEKID QLQEELLHTQ LKYQRILERL
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against OPA1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	OPA1
Alternative Name:	OPA1 (OPA1 Products)
Background:	This gene product is a nuclear-encoded mitochondrial protein with similarity to dynamin-related

Target Details

GTPases. It is a component of the mitochondrial network. Mutations in this gene have been associated with optic atrophy type 1, which is a dominantly inherited optic neuropathy resulting in progressive loss of visual acuity, leading in many cases to legal blindness. Multiple transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: FLJ12460, KIAA0567, MGM1, NPG, NTG, largeG

Protein Interaction Partner: UBC, PARK2, MYC, HSP90AA5P, NIT2, HTRA2, NPTX1, NDUFS8, NDUFS1, NDUFA9, ILF3, HADHB, ECH1, DNASE2, APP, SMAD3, SMAD2, CAND1, CUL3, ELAVL1, MME,

Protein Size: 924

Molecular Weight: 102 kDa

Gene ID: 4976

NCBI Accession: [NM_130831](#), [NP_570844](#)

UniProt: [E5CLK2](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 924 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

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

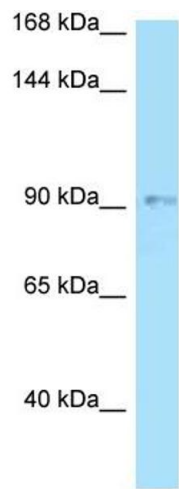
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

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-OPA1 Antibody Titration: 1.0 ug/ml Positive Control: HT1080 Whole Cell