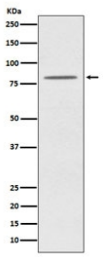
OPA1 Antibody [clone ACGD-15] (RQ4753)

Catalog No.	Formulation	Size
RQ4753	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ACGD-15
Purity	Affinity purified
UniProt	O60313
Applications	Western blot: 1:500-1:2000
Limitations	This OPA1 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with OPA1 antibody. Predicted molecular weight: 111-120 kDa with multiple smaller isoforms from 81-95 kDa.

Description

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Application Notes

Optimal dilution of the OPA1 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human OPA1 was used as the immunogen for the OPA1 antibody.

Storage

Store the OPA1 antibody at -20oC.

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