

## GRIM19 Conjugated Antibody

Catalog No: #C49934



Package Size: #C49934-AF350 100ul #C49934-AF405 100ul #C49934-AF488 100ul  
 #C49934-AF555 100ul #C49934-AF594 100ul #C49934-AF647 100ul  
 #C49934-AF680 100ul #C49934-AF750 100ul #C49934-Biotin 100ul

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## Description

Product Name	GRIM19 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human GRIM19 aa 1-150.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	2700054G14Rik antibody AU022060 antibody B16.6 antibody CDA016 antibody Cell death regulatory protein antibody Cell death regulatory protein GRIM-19 antibody CGI-39 antibody CGI39 protein antibody CI-B16.6 antibody Complex I-B16.6 antibody FLJ58045 antibody FLJ59191 antibody Gene associated with retinoic and IFN-induced mortality 19 protein antibody Gene associated with retinoic and interferon-induced mortality 19 protein antibody Gene associated with retinoic interferon induced mortality 19 protein antibody GRIM-19 antibody NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 antibody NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13 antibody NADH ubiquinone oxidoreductase B16.6 subunit antibody NADH-ubiquinone oxidoreductase B16.6 subunit antibody NDUAD_HUMAN antibody NDUFA13 antibody RGD1565358 antibody
Accession No.	Swiss-Prot#:Q9P0J0
Uniprot	Q9P0J0
GeneID	51079;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	17 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

The GRIM family of proteins appear to be novel types of tumor suppressors. Grim19, which stands for gene associated with retinoic-interferon-induced mortality 19 protein, is also designated cell death-regulatory protein Grim-19 or NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 13. The Grim19 protein plays two roles within the cell. As a member of the interferon-beta and retinoic acid-induced pathway of cell death, Grim19 induces apoptosis. As part of the mitochondrial complex I, Grim19 is essential for its assembly and electron transfer activity. It transfers electrons to the respiratory chain from NADH and plays a role in the interferon/all-trans-retinoic acid (IFN/RA) cell death pathway. It localizes primarily to the mitochondrion, but may translocate to the nucleus upon IFN/RA treatment. Grim19 may also be useful as a biological marker or target for drug development.

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Note: This product is for in vitro research use only