

GRIM19 Rabbit mAb

Catalog # AP78049

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q9P0J0
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human GRIM19
Purification	Affinity Chromatography
Calculated MW	16698

Additional Information

Gene ID	51079
Other Names	NDUFA13
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

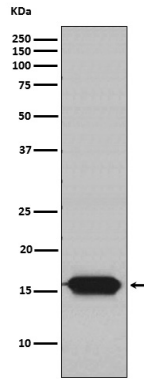
Name	NDUFA13
Synonyms	GRIM19
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis (PubMed: 27626371). Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (PubMed: 27626371). Involved in the interferon/all-trans-retinoic acid (IFN/RA) induced cell death. This apoptotic activity is inhibited by interaction with viral IRF1. Prevents the transactivation of STAT3 target genes. May play a role in CARD15-mediated innate mucosal responses and serve to regulate intestinal epithelial cell responses to microbes (PubMed: 15753091).
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein; Matrix side.

Nucleus Note=Localizes mainly in the mitochondrion (PubMed:12628925).
May be translocated into the nucleus upon IFN/RA treatment

Tissue Location

Widely expressed, with highest expression in heart, skeletal muscle, liver, kidney and placenta. In intestinal mucosa, down-regulated in areas involved in Crohn disease and ulcerative colitis.

Images



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