

## Product datasheet

# Anti-GRIM19 antibody ab186848

[1 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-GRIM19 antibody
<b>Description</b>	Rabbit polyclonal to GRIM19
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human GRIM19 (C terminal). C-terminal 93AA Database link: <a href="#">Q9P0J0</a>
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab186848 in the following tested applications.

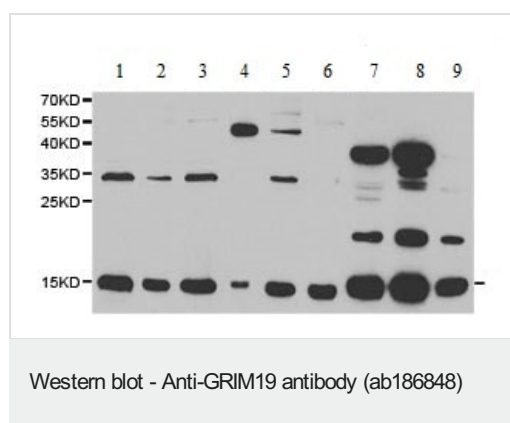
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 17 kDa.

## Target

<b>Function</b>	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. 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. 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.
<b>Tissue specificity</b>	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.
<b>Involvement in disease</b>	Defects in NDUFA13 may be a cause of susceptibility to Hurthle cell thyroid carcinoma (HCTC) [MIM:607464]. Hurthle cell thyroid carcinoma accounts for approximately 3% of all thyroid cancers. Although they are classified as variants of follicular neoplasms, they are more often multifocal and somewhat more aggressive and are less likely to take up iodine than are other follicular neoplasms.
<b>Sequence similarities</b>	Belongs to the complex I NDUFA13 subunit family.
<b>Developmental stage</b>	Expressed in numerous fetal tissues.
<b>Cellular localization</b>	Mitochondrion inner membrane. Nucleus. May be translocated into the nucleus upon IFN/RA treatment.

## Images



**All lanes :** Anti-GRIM19 antibody (ab186848) at 1/500 dilution

**Lane 1 :** MCF7 cell extract

**Lane 2 :** K562 cell extract

**Lane 3 :** 293T cell extract

**Lane 4 :** 3T3L1 cell extract

**Lane 5 :** M21 cell extract

**Lane 6 :** SK-HEP-1 cell extract

**Lane 7 :** Mouse kidney extract

**Lane 8 :** Mouse heart extract

**Lane 9 :** Mouse liver extract

**Predicted band size:** 17 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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