



# Rabbit Anti-Human IRG1 monoclonal antibody, clone FQS33177 (CABT-L206RM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant fragment corresponding to Human IRG1 aa 250-450
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Clone</b>	FQS33177
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IP, WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	PBS, 40% Glycerol, 0.05% BSA
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

IRG1 (Immune-responsive gene 1) is one of the most up-regulated genes in macrophages under proinflammatory conditions. It is also highly expressed in the pregnant uterus during implantation. IRG1 is a cis-aconitate decarboxylase that produces itaconic acid by decarboxylating cis-aconic acid, an intermediate of the tricarboxylic acid cycle. Itaconic acid is an endogenous inhibitor of succinate dehydrogenase, linking macrophage metabolic rewiring and regulation of inflammation

**Keywords**

IRG1;CAD;cis-aconitate decarboxylase;aconitate decarboxylase;cis-aconitic acid decarboxylase;immune-responsive gene 1 protein homolog;

## GENE INFORMATION

**Entrez Gene ID**

[730249](#)

**UniProt ID**

[A6NK06](#)