



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

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