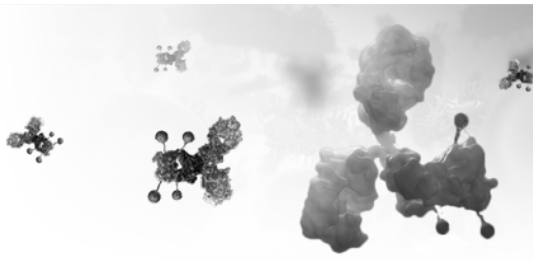

Rabbit Anti-Human IRG1 monoclonal antibody, clone E7I3Z (CABT-L2379)

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

PRODUCT INFORMATION

Specificity	This Rabbit mAb recognizes endogenous levels of total IRG1 protein.
Target	total IRG1 protein
Immunogen	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly460 of human IRG1 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	E7I3Z
Conjugate	Unconjugated
Applications	IP, WB
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol
Preservative	0.02% Sodium Azide
Storage	-20°C. Avoid Freeze/Thaw Cycles

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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;immunoresponsive 1 homolog (mouse);CAD;cis-aconitate decarboxylase;aconitate decarboxylase;cis-aconitic acid decarboxylase;immune-responsive gene 1 protein homolog;

GENE INFORMATION

UniProt ID	A6NK06

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