



Anti-IRGM (N-terminal) polyclonal antibody (CPBT-54880RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human IRGM.
Antigen Description	This gene encodes a member of the p47 immunity-related GTPase family. The encoded protein may play a role in the innate immune response by regulating autophagy formation in response to intracellular pathogens. Polymorphisms that affect the normal expression of this gene are associated with a susceptibility to Crohns disease and tuberculosis.
Specificity	Widely expressed (at protein level). Expressed in several tissues including colon, small bowel and peripheral blood leukocytes.
Immunogen	A 17 amino acid peptide near the amino terminus of human IRGM.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ICC/IF, WB, IHC-P
Sequence Similarities	Belongs to the interferon-inducible GTPase family.
Cellular Localization	Golgi apparatus membrane. Cell membrane. Cytoplasmic vesicle # phagosome membrane. Cytoplasmic vesicle # autophagosome membrane. Cell projection # phagocytic cup. Behaves like an integral membrane protein (By similarity). Recruited to the plasma membrane
Format	Liquid

Size	100 µg
Buffer	Preservative: 0.02% Sodium AzideConstituents: PBS
Preservative	0.02% Sodium Azide
Storage	Store at +4°C.

GENE INFORMATION

Gene Name	IRGM immunity-related GTPase family, M [Homo sapiens]
Official Symbol	IRGM
Synonyms	IRGM; immunity-related GTPase family, M; immunity related GTPase family, M1 , IRGM1; immunity-related GTPase family M protein; IFI1; LRG 47; LRG47; Irgm; MGC149264; IFI1; ligp3; lipg3; Immunity related GTPase family M protein 1; Immunity related GTPase family, M; Immunity-related GTPase family M protein 1; Immunity-related GTPase family M protein; Interferon inducible protein 1; Interferon-inducible protein 1; IRGM_HUMAN; IRGM1; LPS-stimulated RAW 264.7 macrophage protein 47 homolog; LRG 47; LRG-47; LRG-47-like protein; LRG47; MGC149263; LRG-47-like protein; interferon-inducible protein 1; immunity-related GTPase family, M1; LPS-stimulated RAW 264.7 macrophage protein 47 homolog; IRGM1; LRG-47;
Entrez Gene ID	345611
Protein Refseq	NP_001139277
UniProt ID	A1A4Y4
Chromosome Location	5q33.1
Pathway	Toxoplasmosis, organism-specific biosystem; Toxoplasmosis, conserved biosystem;
Function	GTP binding; hydrolase activity, acting on acid anhydrides; nucleotide binding;