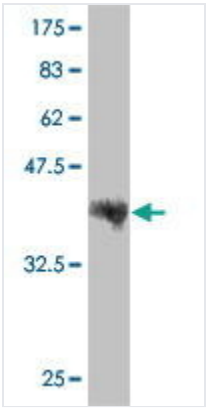
LRRFIP1 Antibody – Mouse Monoclonal

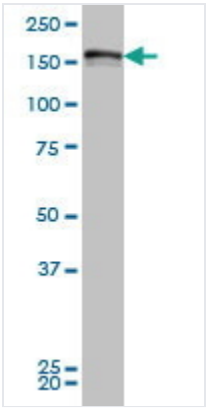
PRODUCT OVERVIEW

Product Name	LRRFIP1, Monoclonal Antibody
Full Product Name	LRRFIP1 (Leucine-rich Repeat Flightless-interacting Protein 1, LRR FLII-interacting Protein 1, GC-binding Factor 2, TAR RNA-interacting Protein, GCF2, TRIP)
Product Gene Name	anti-LRRFIP1 antibody
Product Synonym Names	Anti -LRRFIP1 (Leucine-rich Repeat Flightless-interacting Protein 1, LRR FLII-interacting Protein 1, GC-binding Factor 2, TAR RNA-interacting Protein, GCF2, TRIP)
Immunogen Sequence	GVAKDNAKID GATQSSPAEP KSEDADRCTL PEHESPSQDI SDACEAESTE RCEMSEHPSQ TVRKALDSNS LENDDLSAPG REPGHFNPES REDTRGGNEK GKSKEDCTMS
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2D3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human LRRFIP1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	89,253 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (238536224..238690290). Location: 2q37.3
OMIM	603256
3D Structure	ModBase 3D Structure for Q32MZ4
Immunogen	Partial recombinant corresponding to aa675-785 from LRRFIP1 (NP_004726) with GST tag. MW of the GST tag alone is 26kD.
Product Categories/Family for anti-LRRFIP1 antibody	Antibodies; Abs to Transcription Factors
Applications Tested/Suitable for anti-LRRFIP1 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-LRRFIP1 antibody	Suitable for use in ELISA, Immunofluorescence, Immunohistochemistry and Western Blot. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 1ug/ml
Related Product Information for anti-LRRFIP1 antibody	Leucine-rich repeat FLI-I interacting protein 1 (LRRFIP1/FLAP-1) is a MyD88-interacting signal protein which mediates either induction or repression of TLR signaling. Flap-1 directly interacts with beta-catenin and activates beta-catenin-dependent transcription activity. Flap-1 or LRRFIP1 was also shown to bind the TNF- -308 promoter polymorphism site, suggesting its possible role in the regulation of TNF- production. FLAP-1 along with LRRFIP2 and FLIIH serve as a balance in coordinating inflammatory response after infection, and may act as a novel target in the control of agonist-induced TLR-mediated inflammatory and autoimmune diseases.

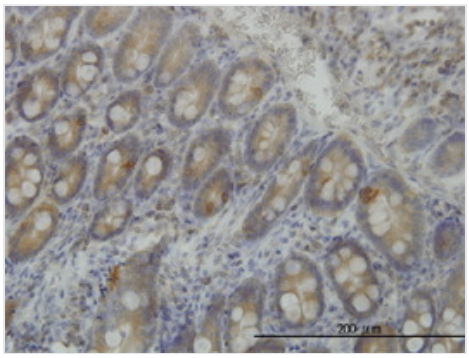
Other Notes	Small volumes of anti-LRRFIP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LRRFIP1 purchase	MBS6001194 is an antibody targeting LRRFIP1. Also known as LRRFIP1 (Leucine-rich Repeat Flightless-interacting Protein 1, LRR FLII-interacting Protein 1, GC-binding Factor 2, TAR RNA-interacting Protein, GCF2, TRIP). Reactive in Human. Host: Mouse.



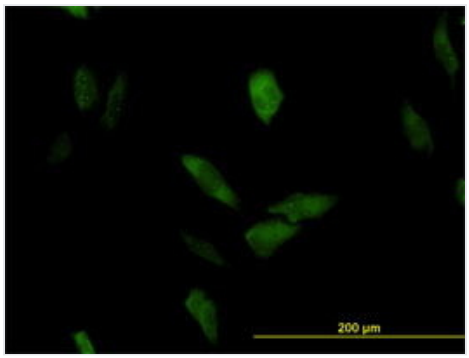
Western Blot (WB) of anti-LRRFIP1 antibody
Western Blot detection against Immunogen (38.21kD).



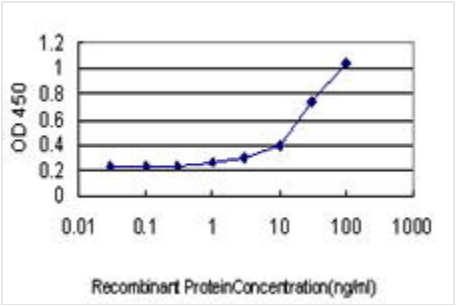
Western Blot (WB) of anti-LRRFIP1 antibody
LRRFIP1 monoclonal antibody Western Blot analysis of LRRFIP1 expression in Hela NE



Immunohistochemistry (IHC) of anti-LRRFIP1 antibody
Immunoperoxidase of monoclonal antibody to LRRFIP1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1ug/ml]



Immunofluorescence (IF) of anti-LRRFIP1 antibody
Immunofluorescence of monoclonal antibody to LRRFIP1 on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-LRRFIP1 antibody
Detection limit for recombinant GST tagged LRRFIP1 is ~1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LRRFIP1. It may not necessarily be applicable to this product.

NCBI GI #	212276104
NCBI GeneID	9208
NCBI Accession #	NP_001131025.1

UniProt Primary Accession #	Q32MZ4
UniProt Secondary Accession #	O75766; O75799; Q32MZ5; Q53T49; Q6PKG2; Q9Y607; E9PGZ2
UniProt Related Accession #	Q32MZ4
GenBank Nucleotide #	NM_001137553.1
NCBI Official Full Name	leucine-rich repeat flightless-interacting protein 1 isoform 5
NCBI Official Synonym Full Names	leucine rich repeat (in FLII) interacting protein 1
NCBI Official Symbol	LRRFIP1
NCBI Official Synonym Symbols	GCF2; TRIP; FLAP1; GCF-2; FLAP-1; HUFI-1; FLIIAP1
UniProt Protein Name	Leucine-rich repeat flightless-interacting protein 1
UniProt Synonym Protein Names	GC-binding factor 2; TAR RNA-interacting protein
Protein Family	Leucine-rich repeat flightless-interacting protein
UniProt Gene Name	LRRFIP1
UniProt Synonym Gene Names	GCF2; TRIP; LRR FLII-interacting protein 1
UniProt Entry Name	LRRF1_HUMAN
NCBI Protein Information	leucine-rich repeat flightless-interacting protein 1; GC-binding factor 2; NEDD8-conjugating enzyme; TAR RNA-interacting protein; LRR FLII-interacting protein 1
UniProt Comments for LRRFIP1	LRRFIP1: Transcriptional repressor which preferentially binds to the GC-rich consensus sequence (5'-AGCCCCCGGCG-3') and may regulate expression of TNF, EGFR and PDGFA. May control smooth muscle cells proliferation following artery injury through PDGFA repression. May also bind double-stranded RNA. Positively regulates Toll-like receptor (TLR) signaling in response to agonist probably by competing with the negative FLII regulator for MYD88-binding. Belongs to the LRRFIP family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; RNA-binding Chromosomal Location of Human Ortholog: 2q37.3 Cellular Component: cytoskeleton; cytoplasm; plasma membrane; nucleus; cytosol Molecular Function: protein binding; protein homodimerization activity; DNA binding; double-stranded RNA binding Biological Process: regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent; positive regulation of interferon type I production; innate immune response; negative regulation of transcription, DNA-dependent
Research Articles on LRRFIP1	**1.** Eight SNPs (rs7575941, rs3769053, rs11689421, rs3820808, rs11680012, rs3806505, rs6739130, and rs11686141) showed evidence of association with at least two adiposity phenotypes and plasma levels of one marker of inflammation.
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