

ARG44759 anti-TRIM5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes TRIM5
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	TRIM5
Species	Human
Conjugation	Un-conjugated
Alternate Names	TRIM5; Tripartite Motif Containing 5; RNF88; TRIM5alpha; RING-Type E3 Ubiquitin Transferase TRIM5; Tripartite Motif-Containing Protein 5; Tripartite Motif Protein TRIM5; Tripartite Motif-Containing Protein 5 Alpha; Tripartite Motif Protein TRIM; Tripartite Motif-Containing 5; Ring Finger Protein 88; RING Finger Protein 88

Application Instructions

Application table	Application	Dilution
	IHC-P	1-5 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

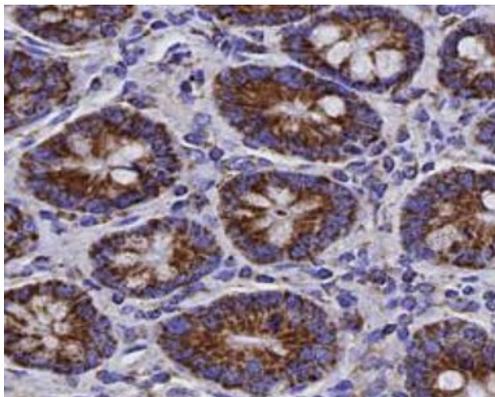
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TRIM5
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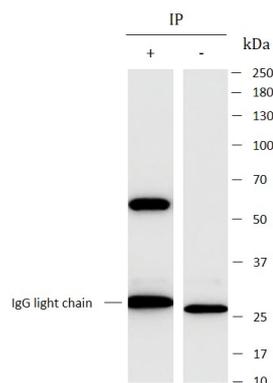
Gene Full Name	Tripartite Motif Containing 5
Background	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein forms homo-oligomers via the coiled-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiquitinates itself to regulate its subcellular localization. It may play a role in retroviral restriction. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Function	Functions as a ubiquitin E3 ligase and as an ISG15 E3 ligase. Involved in innate immune defense against viruses by mediating ubiquitination of DDX58. Mediates 'Lys-63'-linked polyubiquitination of the DDX58 N-terminal CARD-like region which is crucial for triggering the cytosolic signal transduction that leads to the production of interferons in response to viral infection. Promotes ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway. Mediates estrogen action in various target organs. [UniProt]
Calculated Mw	56(alpha), 35(gamma), 33(delta), kDa
PTM	Acetylation, Phosphoprotein, Ubl conjugation
Cellular Localization	Cytoplasm, Nucleus

Images



ARG44759 anti-TRIM5 antibody IHC-P image

Immunohistochemistry: Human colon stained with ARG44759 anti-TRIM5 antibody at 5 µg/mL dilution.



ARG44759 anti-TRIM5 antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2.5 µg of ARG44759 anti-TRIM5 antibody.