

## 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

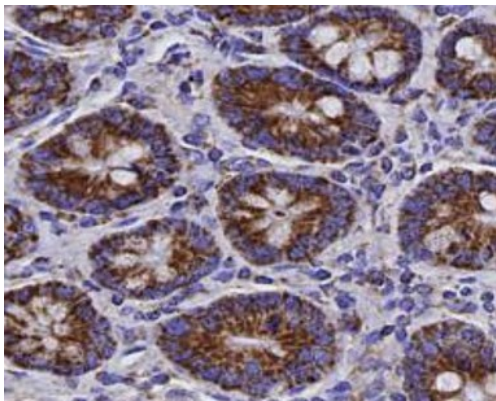
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated 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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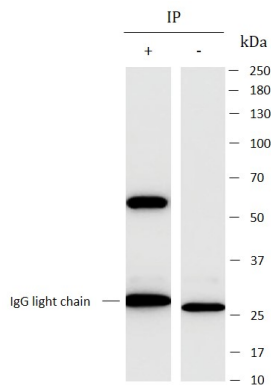
Gene Full Name	Tripartite Motif Containing 5
Background	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein forms homo-oligomers via the 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.