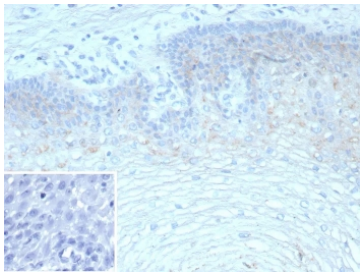
Tripartite motif-containing protein 29 Antibody / TRIM29 [clone TRIM29/9257R] (V5598)

Catalog No.	Formulation	Size
V5598-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5598-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5598SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

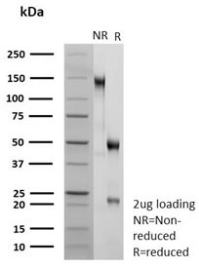
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TRIM29/9257R
Purity	Protein A/G affinity
UniProt	Q14134
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Tripartite motif-containing protein 29 antibody is available for research use only.



Immunohistochemistry of Tripartite motif-containing protein 29 antibody in human esophagus. Formalin-fixed, paraffin-embedded human esophageal tissue was stained using the recombinant rabbit monoclonal clone TRIM29/9257R. HRP-DAB brown chromogenic signal demonstrates cytoplasmic and nuclear staining in squamous epithelial cells, with strongest signal observed in the basal and suprabasal layers. The inset shows PBS used in place of primary antibody as a negative control, confirming staining specificity. Heat-induced epitope retrieval was performed by boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min followed by cooling prior to antibody incubation.



SDS-PAGE analysis of purified, BSA-free recombinant Tripartite motif-containing protein 29 antibody (clone TRIM29/9257R) as confirmation of integrity and purity.

Description

Tripartite motif-containing protein 29 is a member of the TRIM protein family encoded by the TRIM29 gene and is also known as ATDC or ataxia-telangiectasia group D complementing protein. The Tripartite motif-containing protein 29 Antibody is developed to detect this epithelial-associated regulatory protein in research applications focused on stress signaling and tumor biology. Clone TRIM29/9257R is a recombinant rabbit monoclonal antibody designed for specific recognition of TRIM29 expression in cellular and tissue-based studies. TRIM29 is located on chromosome 11q23 and, unlike many other TRIM family members, lacks a canonical RING domain while retaining B-box and coiled-coil motifs that mediate protein-protein interactions.

TRIM29 functions primarily as a scaffold-like regulatory protein and has been implicated in modulation of DNA damage response pathways, chromatin organization, and transcriptional regulation. It interacts with components of the p53 signaling axis and other regulatory complexes involved in cellular responses to genotoxic stress. Through these interactions, TRIM29 influences cell proliferation, apoptosis, and epithelial differentiation. Subcellular localization studies describe both cytoplasmic and nuclear distribution, depending on tissue type and physiologic context.

Expression of TRIM29 is enriched in epithelial tissues including pancreas, lung, skin, and gastrointestinal tract. In cancer research, altered TRIM29 expression has been documented in pancreatic, gastric, lung, breast, and bladder carcinomas. Its biologic role appears context dependent, with studies suggesting involvement in tumor progression, invasion, or modulation of stress response pathways depending on tumor type. This dual behavior underscores its importance in epithelial transformation and oncogenic signaling networks.

As part of the broader tripartite motif protein family, TRIM29 contributes to cellular pathways that regulate protein stability and stress adaptation. Investigation of TRIM29 expression supports research focused on epithelial integrity, DNA damage response mechanisms, and cancer-associated signaling biology.

Application Notes

Optimal dilution of the Tripartite motif-containing protein 29 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 1-200) of human recombinant Tripartite motif-containing protein 29 protein was used as the immunogen for the TRIM29 antibody.

Storage

Aliquot the Tripartite motif-containing protein 29 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.