

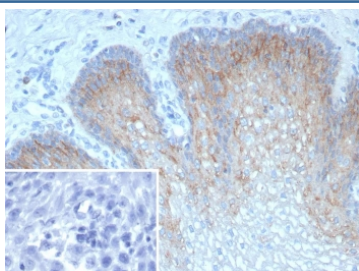
TRIM29 Antibody / Epithelial TRIM Family Protein Antibody [clone TRIM29/9256R] (V5597)

Catalog No.	Formulation	Size
V5597-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5597-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5597SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

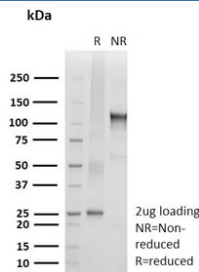
Recombinant **RABBIT MONOCLONAL**

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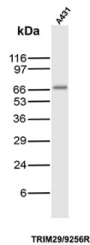
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TRIM29/9256R
Purity	Protein A/G affinity
UniProt	Q14134
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This TRIM29 Antibody / Epithelial TRIM Family Protein Antibody is available for research use only.



TRIM29 Antibody Esophagus IHC. Immunohistochemistry staining of formalin-fixed, paraffin-embedded human esophagus tissue using recombinant rabbit monoclonal clone TRIM29/9256R demonstrates cytoplasmic and nuclear HRP-DAB brown staining within squamous epithelial cells, with strongest signal observed in basal and suprabasal epithelial layers. The staining pattern is consistent with expression of Tripartite motif-containing protein 29 / TRIM29 in stratified epithelial tissue and squamous differentiation-associated cellular populations. Inset: PBS was used in place of primary antibody as a negative control. 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 TRIM29 antibody (clone TRIM29/9256R) as confirmation of integrity and purity.



TRIM29 Antibody A431 WB. Western blot analysis of A431 cell lysate using recombinant rabbit monoclonal clone TRIM29/9256R demonstrates a distinct band at approximately 65-70 kDa, consistent with the predicted molecular weight of Tripartite motif-containing protein 29 / TRIM29. The observed signal supports expression of this epithelial-associated TRIM family regulatory protein in squamous carcinoma-derived cells and aligns with the known association of TRIM29 with epithelial differentiation and carcinoma-related signaling pathways.

Description

Tripartite motif-containing protein 29 (TRIM29) is a member of the TRIM family of regulatory proteins involved in epithelial differentiation, stress-response signaling, DNA damage-associated pathways, and carcinoma biology. TRIM29 Antibody / Epithelial TRIM Family Protein Antibody recognizes a multifunctional regulatory protein characterized by conserved TRIM family structural domains associated with intracellular signaling coordination and protein interaction networks.

TRIM29 antibody, also referred to as ATDC antibody and Ataxia telangiectasia group D-associated protein antibody in the literature, is useful for investigating epithelial differentiation biology, squamous tissue-associated signaling pathways, and carcinoma-related regulatory mechanisms. Clone TRIM29/9256R antibody supports the study of epithelial-associated TRIM family protein expression in cancer and cell signaling research applications.

TRIM29 is primarily localized to the cytoplasm and nucleus depending on cell type, differentiation status, and signaling context. Unlike many classical TRIM proteins, TRIM29 lacks a canonical RING domain but retains coiled-coil and B-box-associated structural organization that supports scaffold-like regulatory functions. The protein has been implicated in epithelial integrity, keratinocyte biology, stress adaptation pathways, and signaling responses associated with cellular proliferation and tumor progression.

Expression of TRIM29 is frequently associated with epithelial tissues and squamous differentiation programs. Increased or altered TRIM29 expression has been reported in squamous cell carcinoma, pancreatic cancer, lung cancer, gastric carcinoma, bladder carcinoma, and additional epithelial malignancies. Depending on tumor context, TRIM29 has been proposed to function in pathways related to proliferation control, migration, invasion, DNA damage responses, and epithelial plasticity.

TRIM29 has also attracted attention in studies examining radiation response and DNA damage-associated signaling because of reported interactions with stress-response regulatory pathways. The protein may contribute to tumor cell survival mechanisms and epithelial adaptation processes during oncogenic progression or environmental stress conditions. In epithelial cancers, TRIM29 expression patterns are commonly investigated alongside additional differentiation-associated markers and signaling regulators.

Immunohistochemistry staining with TRIM29 antibodies commonly demonstrates epithelial-associated cytoplasmic and nuclear staining patterns within squamous or glandular epithelial compartments. Western blot analysis typically identifies TRIM29 near 65-70 kDa, consistent with the predicted molecular weight of the mature protein. Detection of TRIM29 in A431 epidermoid carcinoma cells supports its association with epithelial-derived tumor biology and squamous differentiation-related signaling pathways.

Together, the available western blot and immunohistochemistry data support the use of TRIM29 antibody clone TRIM29/9256R for investigating epithelial-associated signaling biology, TRIM family regulatory mechanisms, and carcinoma-related differentiation pathways.

Explore additional [Cancer Antibodies](#) targeting epithelial differentiation proteins, TRIM family regulators, and carcinoma-associated signaling pathways.

Application Notes

Optimal dilution of the TRIM29 Antibody / Epithelial TRIM Family Protein Antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 1-200) of human TRIM29 protein was used as the immunogen for the TRIM29 antibody recombinant rabbit mAb TRIM29/9256R.

Storage

Aliquot the TRIM29 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

TRIM29 antibody, ATDC antibody, Ataxia telangiectasia group D-associated protein antibody, epithelial TRIM family protein antibody, TRIM29 carcinoma antibody