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11-7535: Polyclonal Antibody to Trim29

Clonality :	Polyclonal
Application :	IHC,WB
Reactivity :	Human
Gene :	TRIM29
Gene ID :	23650
Uniprot ID :	Q14134
Format :	Purified
Alternative Name :	TRIM29,ATDC
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant Trim29 protein (amino acids 1-206) was used as the immunogen for this antibody.

Description

TRIM29 (Tripartite motif-containing 29) is a member of the tripartite motif (TRIM) family of transcription factors, characterized by the conserved RING finger, B-box, and coiled-coil domains. The TRIM family has been implicated in a variety of physiologic processes including development, apoptosis and epithelial-mesenchymal transition (EMT). Depending on a tumor types, TRIM29 also may function as an oncogene or a tumor suppressor. As an oncogene, it facilitates tumor cell proliferation and invasion through stabilization of Beta-catenin. The mechanisms may also involve deactivation of p53 activity and promoting cell survival by inhibiting proapoptotic genes regulated by p53. As a histone binding protein TRIM29 is responsible for DDR (DNA damage response). It functions as a scaffold protein to assemble DNA repair proteins into chromatin followed by efficient activation of DDR. TRIM29 binds to modified histone H3 and H4 tails in the context of nucleosomes. Furthermore, chromatin binding of TRIM29 is required for the phosphorylation of H2AX nucleosomes and cell viability in response to ionizing radiation.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml, Immunohistochemical analysis: 5 µg/ml

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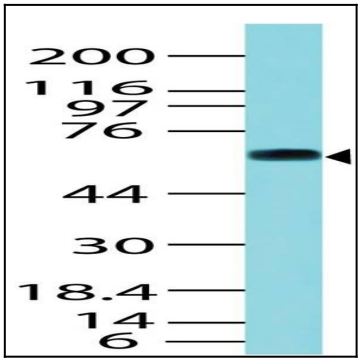


Figure-1: Western blot analysis of TRIM29. Anti-TRIM29 antibody (11-7535) was used at 2 µg/ml on Hela lysate.

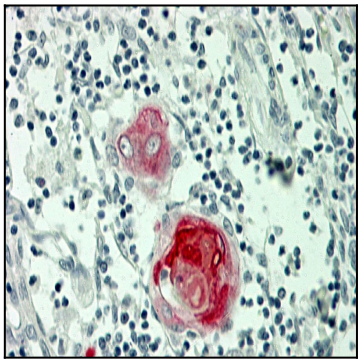


Figure-2: Immunohistochemical analysis of TRIM29. Anti-TRIM29 antibody (11-7535) in human Thymus tissue at 5 µg/ml.

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