

21-1015: Recombinant Human TRIM29 His Tag protein

Application : ELISA, WB

Description

Source: **CHO-K1**. 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 :	10 µg / 20 µg
Purification :	>90% by SDS-PAGE.
Content :	PBS and 10% Glycerol.
Storage condition :	TRIM29 Protein is shipped on ice packs. Upon arrival, Store at -20°C. Do not freeze-thaw multiple times.

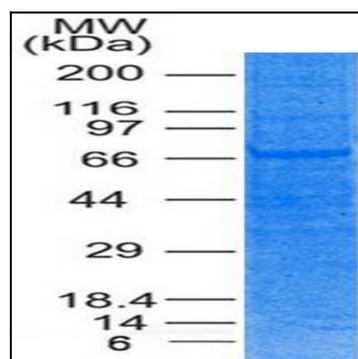


Figure 1: Recombinant TRIM29 protein was run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.

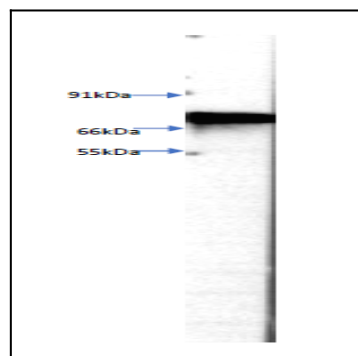


Figure 2: Western blot analysis of Trim29: Anti- Trim29 antibody (Clone: ABM43D2, cat no 10-7540) was tested at 2µg/ml on purified recombinant Trim29 protein expressed in HEK 293 cells (cat no. 21-1015).