

Purified anti-TIF1 β (KAP-1, TRIM28) Phospho (Ser473)

Catalog # / Size: 644602 / 100 μ l

Clone: Poly6446

Isotype: Rabbit polyclonal

Immunogen: Modified peptide

Reactivity: Human, Mouse

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20°C.

Applications:

Applications: WB - *Quality tested*
IF - *Validated*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5-10 μ l per 5 ml antibody dilution for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications include: immunofluorescence³.

Application References: 1. Chikuma S, *et al.* 2012. *Nat. Immunol.* doi: 10.1038/ni.2293. PubMed
2. Zhou XF, *et al.* 2012. *PNAS.* 109:20083. PubMed
3. Chang CW, *et al.* 2008 *BMC Mol. Biol.* 9:61. (IF)

Description: Transcriptional intermediary factors (TIFs) are a group of transcriptional coactivators and corepressors that regulate gene expression by modulating chromatin structure and assembly of transcription initiation complexes. TIF1 beta is a member of the TIF1 subfamily of chromatin-associated TIFs that play a key role in many developmental and physiological processes. Studies using knockout mice reveal the important function of TIF1 β in regulating genomic imprinting, T cell activation, and T cell tolerance.

Other Names: KAP-1 pS473, KRIP-1 pS473, TRIM28 pS473

Antigen References: 1. Abrink, *et al.* 2001. *Proc. Natl. Acad. Sci.* 98:1422.
2. Change, *et al.* 2008. *BMC Mol. Biology* 9:1471.
1. Messerschmidt DM, *et al.* 2012. *Science* 335:1499.
2. Chikuma S, *et al.* 2012. *Nat. Immunol.* 13:596.

Related Products: **Product**

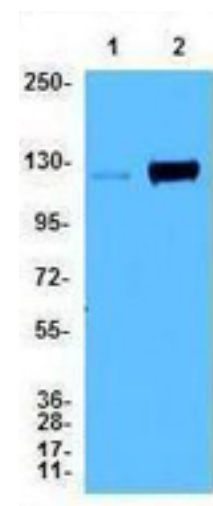
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone

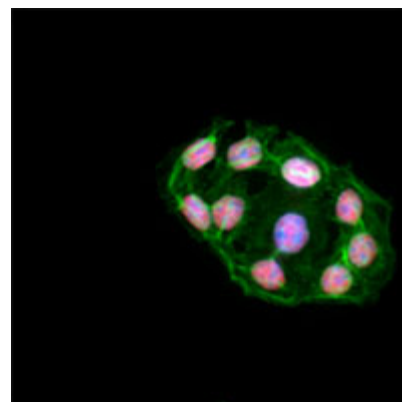
Poly4064

Application

ELISA, IHC, WB



HeLa cell extracts untreated (lane 1) and treated with 10 Gy radiation (lane 2) were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-TIF1 β Phospho (Ser473) antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



HeLa cells were stained with purified anti-TIF1 β Phospho (Ser 473) (Poly6446) antibody, followed by staining with DyLight[®] 594 conjugated goat anti-rabbit IgG (red) antibody. Actin filaments were labeled in green. Nuclei were stained with DAPI (blue).



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.