

Product Data Sheet

Purified anti-TIF1 β (KAP-1, TRIM28)

Catalog # / Size: 619301 / 25 μ g
619302 / 100 μ g

Clone: 20A1

Isotype: Mouse IgG1, κ

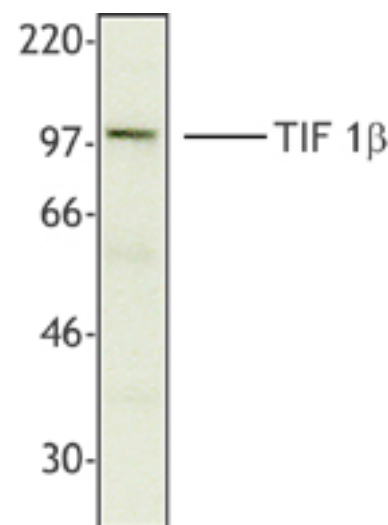
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store at 4°C.



HepG2 nuclear extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-TIF1 β antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.

Applications:

Applications: WB - *Quality tested*

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

Description: TIF β (transcription intermediary factor 1-beta) is an 88 kD member of the tripartite motif family. This protein contains three zinc binding domains, a RING domain, a B-box type 1 and type 2 domain, and a coiled-coil region. TIF β is found in the nucleus and associates with specific chromatin regions. This protein forms a complex with KRAB-domain transcription factors and recruits setdb1 to histone 3 to increase KRAB-mediated transcriptional repression. TIF1 β has been reported to interact with setdb1 and cbx3 proteins. Studies using knockout mice reveal the important function of TIF1 β in regulating genomic imprinting, T cell activation, and T cell tolerance.

Antigen References:

1. Ryan RF, *et al.* 1999. *Mol. Cell. Biol.* 19:4366.
2. Schultz DC, *et al.* 2002. *Genes Dev.* 16:919.
3. Moosmann PR, *et al.* 1996. *Nucleic Acids Res.* 24:4859.
4. Friedman JR, *et al.* 1996. *Genes Dev.* 10:2067.
5. Messerschmidt DM, *et al.* 2012. *Science* 335:1499.
6. Chikuma S, *et al.* 2012. *Nat. Immunol.* 13:596.

Related Products:

Product
HRP Goat anti-mouse IgG (minimal x-reactivity)
Purified anti-TIF1 α

Clone
Poly4053
Poly6106

Application
ELISA, IHC, WB
WB



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