

## TIF1 gamma monoclonal antibody

Catalog: MB66498

Host: Mouse

Reactivity: Human

### BackGround:

The transcriptional intermediary factor 1 (TIF1) family represents a group of proteins with multiple histone-binding domains. In humans, this family comprises four proteins, TIF1 $\alpha$ /TRIM24, TIF1 $\beta$ /TRIM28/KAP1, TIF1 $\gamma$ /TRIM33/Ectodermin, and TIF1 $\delta$ /TRIM66, which are characterized by an amino-terminal tripartite motif (TRIM) domain consisting of a RING domain, two B boxes, a coiled-coil domain, and a carboxy-terminal PHD finger and bromodomain. Despite their similar overall structure, these proteins have diverse roles in transcriptional regulation. TIF1 $\alpha$  functions as a ligand-dependent nuclear receptor coregulator and more recently has been implicated in regulating p53 stability. TIF1 $\beta$  is an intrinsic component of the N-CoR1 corepressor complex and the NuRD nucleosome-remodeling complex and functions as a corepressor for Kruppel-associated box (KRAB) zinc-finger transcription factors. Furthermore, TIF1 $\beta$  promotes heterochromatin-mediated gene silencing formation by serving as a cofactor for heterochromatin protein HP1. TIF1 $\delta$  expression is restricted to the testis and has been shown to interact with HP1 $\gamma$ .

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

### Molecular Weight:

~ 150 kDa

### Swiss-Prot:

Q9UPN9

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000)

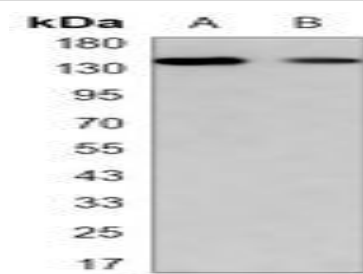
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of TIF1 gamma protein.

### DATA:



Western blot analysis of TIF1 gamma expression in MCF7 (A), HeLa (B) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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