

## Daxx Mouse mAb

CatalogNo: YM0193

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- WB,IF,FC,ELISA

#### MW

- 85-115kD (Observed)

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IF 1:200-1:1000**

**Flow Cyt 1:200-1:400**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Monoclonal

**Clone Number** 15A11

### Immunogen Information

**Immunogen** Purified recombinant fragment of human Daxx expressed in E. Coli.

**Specificity** Daxx Monoclonal Antibody detects endogenous levels of Daxx protein.

## | Target Information

**Gene name** DAXX

**Protein Name** Death domain-associated protein 6

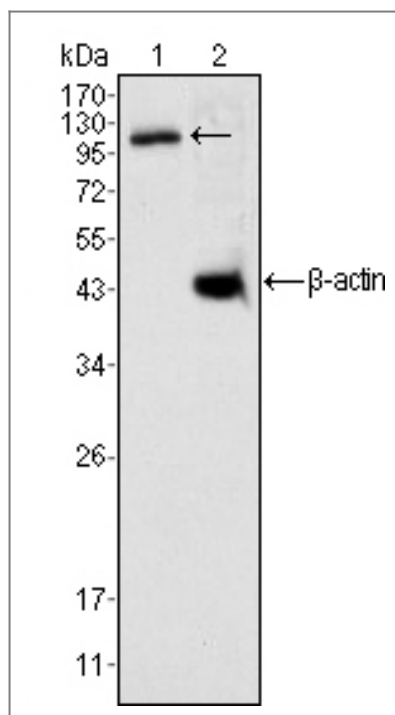
Organism	Gene ID	UniProt ID
Human	<a href="#">1616</a> ;	<a href="#">Q9UER7</a> ;

**Cellular Localization** Cytoplasm . Nucleus, nucleoplasm . Nucleus, PML body . Nucleus, nucleolus . Chromosome, centromere . Dispersed throughout the nucleoplasm, in PML/POD/ND10 nuclear bodies, and in nucleoli (Probable). Colocalizes with histone H3.3, ATRX, HIRA and ASF1A at PML-nuclear bodies (PubMed:12953102, PubMed:14990586, PubMed:23222847, PubMed:24200965). Colocalizes with a subset of interphase centromeres, but is absent from mitotic centromeres (PubMed:9645950). Detected in cytoplasmic punctate structures (PubMed:11842083). Translocates from the nucleus to the cytoplasm upon glucose deprivation or oxidative stress (PubMed:12968034). Colocalizes with RASSF1 in the nucleus (PubMed:18566590). Colocalizes with USP7 in nucleoplasm with accumulation in speckled structures (PubMed:16845383). . ; [Isoform beta]: Nucleus . Diffuse nuclear distribution pattern and no comparable dot-like accumulation of isoform 1. . ; [Isoform gamma]: Nucleus . Diffuse nuclear distribution pattern and no comparable dot-like accumulation of isoform 1. .

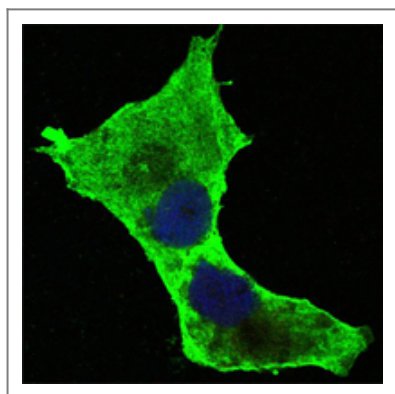
**Tissue specificity** Ubiquitous.

**Function** Function:Proposed to mediate activation of the JNK pathway and apoptosis via MAP3K5 in response to signaling from TNFRSF6 and TGFBR2. Interaction with HSPB1/HSP27 may prevent interaction with TNFRSF6 and MAP3K5 and block DAXX-mediated apoptosis. In contrast, in lymphoid cells JNK activation and TNFRSF6-mediated apoptosis may not involve DAXX. Seems to regulate transcription in PML/POD/ND10 nuclear bodies together with PML and may influence TNFRSF6-dependent apoptosis thereby. Down-regulates basal and activated transcription. Seems to act as a transcriptional co-repressor and inhibits PAX3 and ETS1 through direct protein-protein interaction. Modulates PAX5 activity. Its transcription repressor activity is modulated by recruiting it to subnuclear compartments like the nucleolus or PML/POD/ND10 nuclear bodies through interactions with MCSR1 and PML, respectively.,induction:Upon mitogenic stimulation by concanavalin A.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylated by HIPK1 upon glucose deprivation.,PTM:Polyubiquitinated; which is promoted by CUL3 and SPOP and results in proteasomal degradation.,PTM:Sumoylated.,similarity:Belongs to the DAXX family.,subcellular location:Dispersed throughout the nucleoplasm, in PML/POD/ND10 nuclear bodies, and in nucleoli. Colocalizes with a subset of interphase centromeres, but is absent from mitotic centromeres. Detected in cytoplasmic punctate structures. Translocates from the nucleus to the cytoplasm upon glucose deprivation or oxidative stress.,subunit:Homomultimer. Binds to the TNFRSF6 death domain via its C-terminus and to PAX5. Binds to SLC2A4/GLUT4, MAP3K5, TGFBR2, phosphorylated dimeric HSPB1/HSP27, CENPC1, ETS1, sumoylated PML, UBE2I and MCRS1. Is part of a complex containing PAX5 and CREBBP. Interacts with HIPK2 and HIPK3 via its N-terminus. Interacts with HIPK1, which induces translocation from PML/POD/ND10 nuclear bodies to chromatin and enhances association with HDAC1 (By similarity). The non-phosphorylated form binds to PAX3, PAX7, DEK, HDAC1, HDAC2, HDAC3, acetylated histone H4 and histones H2A, H2B, H3 and H4. Interacts with SPOP. Part of a complex consisting of DAXX, CUL3 and SPOP. Interacts with CBP; the interaction is dependent the sumoylation of CBP and suppresses CBP transcriptional activity via recruitment of HDAC2 (By similarity). Interacts with HCMV tegument phosphoprotein pp71.,tissue specificity:Ubiquitous.,

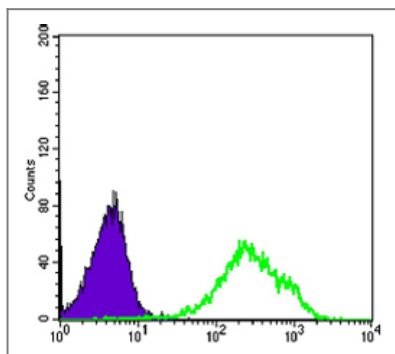
## Validation Data



Western Blot analysis using Daxx Monoclonal Antibody against K562 cell lysate (1).



Confocal immunofluorescence analysis of PANC-1 cells using Daxx Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of HeLa cells using Daxx Monoclonal Antibody (green) and negative control (purple).

## Contact information

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