

Daxx Monoclonal Antibody

Catalog No :	YM0193
Reactivity :	Human
Applications :	WB;IF;FCM;ELISA
Target :	Daxx
Fields :	>>MAPK signaling pathway;>>Apoptosis;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Pathways of neurodegeneration - multiple diseases;>>Herpes simplex virus 1 infection
Gene Name :	DAXX
Protein Name :	Death domain-associated protein 6
Human Gene Id :	1616
Human Swiss Prot No :	Q9UER7
Mouse Swiss Prot No :	O35613
Immunogen :	Purified recombinant fragment of human Daxx expressed in E. Coli.
Specificity :	Daxx Monoclonal Antibody detects endogenous levels of Daxx protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 85-115kd

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;Amyotrophic lateral sclerosis (ALS);

P References :

1. Cell. 1997 Jun 27;89(7):1067-76.
2. Biochem Biophys Res Commun. 2000 Dec 9;279(1):6-10.
3. Proc Natl Acad Sci U S A. 2004 Aug 17;101(33):12130-5.

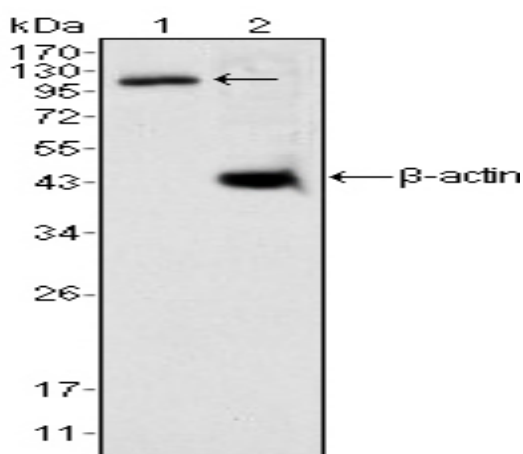
Background : This gene encodes a multifunctional protein that resides in multiple locations in the nucleus and in the cytoplasm. It interacts with a wide variety of proteins, such as apoptosis antigen Fas, centromere protein C, and transcription factor erythroblastosis virus E26 oncogene homolog 1. In the nucleus, the encoded protein functions as a potent transcription repressor that binds to sumoylated transcription factors. Its repression can be relieved by the sequestration of this protein into promyelocytic leukemia nuclear bodies or nucleoli. This protein also associates with centromeres in G2 phase. In the cytoplasm, the encoded protein may function to regulate apoptosis. The subcellular localization and function of this protein are modulated by post-translational modifications, including sumoylation, phosphorylation and polyubiquitination. Alternative splicing results in multiple transcript variants.

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

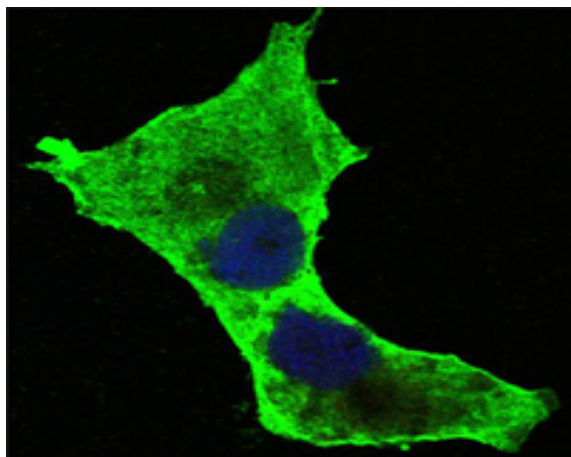
Subcellular Location : Cytoplasm . Nucleus, nucleoplasm . Nucleus, PML body . Nucleus, nucleolus . Chromosome, centromere . Dispersed throughout the nucleoplasm, in PML/POD/ND10 nuclear bodies, and in nucleoli (Probable). Colocalizes with histone H3.3, ATRX, HIRA and ASF1A at PML-nuclear bodies (PubMed:12953102, 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]

Expression :	Ubiquitous.
Sort :	5003
No4 :	1
Host :	Mouse
Modifications :	Unmodified

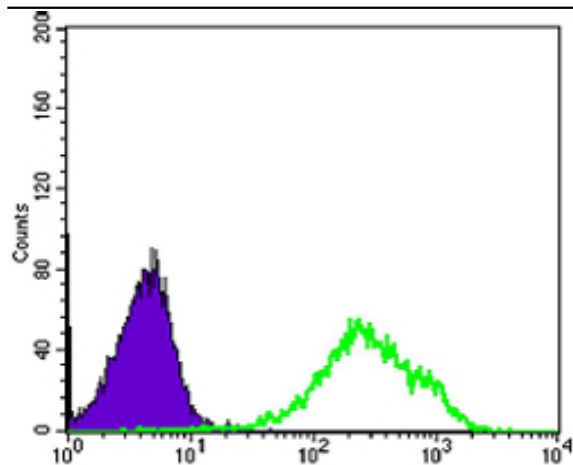
Products Images



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).