DAXX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DAXX, Polyclonal Antibody
Full Product Name	DAXX (S495) Rabbit pAb
Product Gene Name	anti-DAXX antibody
Product Synonym Names	Death domain-associated protein 6; Daxx; hDaxx; ETS1-associated protein 1; EAP1; Fas death domain-associated protein; DAXX; BING2; DAP6
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	603186
3D Structure	ModBase 3D Structure for Q9UER7
Immunogen	This DAXX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 473-502 amino acids from human DAXX.
Cellular Localization	Centromere, Chromosome, Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DAXX antibody	Western Blot (WB)
Application Notes for anti-DAXX antibody	WB: 1:1000
Related Product Information for anti-DAXX antibody	MBS8558344 is an antibody targeting DAXX. Also known as DAXX (S495) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-DAXX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DAXX. It may not necessarily be applicable to this product.

NCBI GI #	215422388
NCBI GeneID	1616
NCBI Accession #	NP_001135441.1
UniProt Primary Accession #	Q9UER7
UniProt Related Accession #	Q9UER7

GenBank Nucleotide #	NP_001135441.1
NCBI Official Full Name	death domain-associated protein 6 isoform a
NCBI Official Synonym Full Names	death domain associated protein
NCBI Official Symbol	DAXX
NCBI Official Synonym Symbols	DAP6; EAP1; BING2; SMIM40
UniProt Protein Name	Death domain-associated protein 6
UniProt Synonym Protein Names	Daxx; hDaxx; ETS1-associated protein 1; EAP1; Fas death domain-associated protein
Protein Family	Death domain-associated protein
UniProt Gene Name	DAXX
UniProt Synonym Gene Names	BING2; DAP6; hDaxx; EAP1
UniProt Entry Name	DAXX_HUMAN
NCBI Protein Information	death domain-associated protein 6
NCBI Summary for DAXX	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. [provided by RefSeq, Nov 2008]
UniProt Comments for DAXX	DAXX: a transcriptional co-regulatory protein. Proposed to mediate activation of the JNK pathway and apoptosis via ASK1 in response to signaling from FAS and TGF-betaR2. Glucose deprivation activates the ASK1-SEK1-JNK1-HIPK1 pathway, relocalizing Daxx from the nucleus to the cytoplasm, where Daxx binds to ASK1, and subsequently leads to ASK1 oligomerization. Interaction with HSP27 may prevent interaction with TGF-betaR2 and ASK1 and block DAXX-mediated apoptosis. Seems to act as a transcriptional co- repressor and inhibits PAX3 and ETS1 through direct protein- protein interaction. 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. Two alternatively spliced isoforms have been described. Protein type: Apoptosis; Transcription, coactivator/corepressor; Nucleolus; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: heterochromatin; PML body; cytoplasm; nucleolus; nucleus; cytosol; chromosome, pericentric region Molecular Function: protein homodimerization activity; histone binding; p53 binding; protein N-terminus binding; protein kinase binding; transcription factor binding; protein binding; enzyme binding; androgen receptor binding; heat shock protein binding; ubiquitin protein ligase binding; receptor signaling protein activity; protein kinase activator activity; transcription corepressor activity Biological Process: viral reproduction; transcription, DNA-dependent; regulation of protein ubiquitination; apoptosis; activation of JNK activity; chromatin remodeling; nucleosome assembly; cytokinesis after mitosis; regulation of transcription, DNA-dependent; induction of apoptosis via death domain receptors; positive regulation of protein kinase activity; androgen receptor signaling pathway; positive regulation of protein amino acid phosphorylation; negative regulation of transcription, DNA-dependent
Research Articles on DAXX	**1.** Data show that the sensitivity of death-associated protein 6 (DAXX) immunohistochemistry (IHC) depends on the site of DAXX mutation.

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