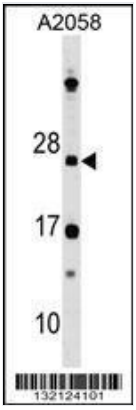
DRAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DRAP1, Polyclonal Antibody
Full Product Name	DRAP1, NT (DRAP1, Dr1-associated corepressor, Dr1-associated protein 1, Negative co-factor 2-alpha)
Product Gene Name	anti-DRAP1 antibody
Product Synonym Names	Anti -DRAP1, NT (DRAP1, Dr1-associated corepressor, Dr1-associated protein 1, Negative co-factor 2-alpha)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	22,350 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (65686728..65689048). Location: 11q13.3
OMIM	602289
3D Structure	ModBase 3D Structure for Q14919
Immunogen	DRAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DRAP1.
Product Categories/Family for anti-DRAP1 antibody	Antibodies; Abs to Transcription Factors
Applications Tested/Suitable for anti-DRAP1 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-DRAP1 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-DRAP1 antibody	Transcriptional repression is a general mechanism for regulating transcriptional initiation in organisms ranging from yeast to humans. Accurate initiation of transcription from eukaryotic protein-encoding genes requires the assembly of a large multiprotein complex consisting of RNA polymerase II and general transcription factors such as TFIIA, TFIIB, and TFIID. DR1 is a repressor that interacts with the TATA-binding protein (TBP) of TFIID and prevents the formation of an active transcription complex by precluding the entry of TFIIA and/or TFIIB into the preinitiation complex. The protein encoded by this gene is a corepressor of transcription that interacts with DR1 to enhance DR1-mediated repression. The interaction between this corepressor and DR1 is required for corepressor function and appears to stabilize the TBP-DR1-DNA complex.
Other Notes	Small volumes of anti-DRAP1 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.

Searchable Terms for DRAP1 purchase	MBS6005270 is an antibody targeting DRAP1. Also known as DRAP1, NT (DRAP1, Dr1-associated corepressor, Dr1-associated protein 1, Negative co-factor 2-alpha). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-DRAP1 antibody
DRAP1 Antibody (N-term) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the DRAP1 antibody detected the DRAP1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DRAP1. It may not necessarily be applicable to this product.

NCBI GI #	18426973
NCBI GeneID	10589
NCBI Accession #	NP_006433.2
UniProt Primary Accession #	Q14919
UniProt Secondary Accession #	Q13448
UniProt Related Accession #	Q14919
GenBank Nucleotide #	NM_006442.3
NCBI Official Full Name	dr1-associated corepressor
NCBI Official Synonym Full Names	DR1-associated protein 1 (negative cofactor 2 alpha)
NCBI Official Symbol	DRAP1
NCBI Official Synonym Symbols	NC2-alpha
UniProt Protein Name	Dr1-associated corepressor
UniProt Synonym Protein Names	Dr1-associated protein 1; Negative cofactor 2-alpha
Protein Family	Dr1-associated corepressor
UniProt Gene Name	DRAP1
UniProt Synonym Gene Names	NC2-alpha
UniProt Entry Name	NC2A_HUMAN
NCBI Protein Information	dr1-associated corepressor; negative cofactor 2 alpha; negative co-factor 2-alpha

UniProt Comments for DRAP1	DRAP1: The association of the DR1/DRAP1 heterodimer with TBP results in a functional repression of both activated and basal transcription of class II genes. This interaction precludes the formation of a transcription-competent complex by inhibiting the association of TFIIA and/or TFIIB with TBP. Can bind to DNA on its own. Belongs to the NC2 alpha/DRAP1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor; DNA-binding Chromosomal Location of Human Ortholog: 11q13.3 Cellular Component: nucleus Molecular Function: protein binding; DNA binding; protein heterodimerization activity; sequence-specific DNA binding; transcription corepressor activity; transcription factor binding; transcription factor activity Biological Process: transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter
Research Articles on DRAP1	**1.** heterodimerization with NC2alpha masks the nuclear localization signal in NC2beta, which prevents nuclear export of the NC2 complex
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