10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DRAP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18211a

Specification

DRAP1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q14919
Other Accession	A0JPP1, Q9D6N5, Q2YDP3, NP_006433.2
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**22350**
Antigen Region	**1-29**

DRAP1 Antibody (N-term) - Additional Information

Gene ID 10589

Other Names
Dr1-associated corepressor, Dr1-associated protein 1, Negative cofactor 2-alpha, NC2-alpha, DRAP1

Target/Specificity
This DRAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from the N-terminal region of human DRAP1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DRAP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DRAP1 Antibody (N-term) - Protein Information

Name DRAP1

Function 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.

Cellular Location
Nucleus.

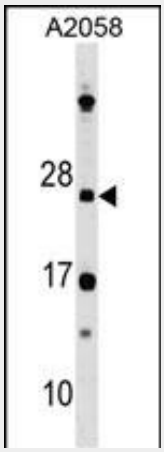
Tissue Location
Ubiquitous. Highly expressed in adult testis, heart, skeletal muscle, pancreas and brain, and in fetal brain, liver and kidney.

DRAP1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DRAP1 Antibody (N-term) - Images



DRAP1 Antibody (N-term) (Cat. #AP18211a) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the DRAP1 antibody detected the DRAP1 protein (arrow).

DRAP1 Antibody (N-term) - Background

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.

DRAP1 Antibody (N-term) - References

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Schluesche, P., et al. Nat. Struct. Mol. Biol. 14(12):1196-1201(2007)
Albert, T.K., et al. Proc. Natl. Acad. Sci. U.S.A. 104(24):10000-10005(2007)
Lim, J., et al. Cell 125(4):801-814(2006)
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