

DNAXPab

Hard-to-Find
Antibody

ADCY8 DNAXPab

Catalog # H00000114-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human ADCY8 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence

MELSDVRCLTGSEELYTIHPTTPAGDGRSASRPQRLLWQTAVRHTEQRFIHGHRGGSGSGSGGS
GKASDPAGGGPNHHAPQLSGDSALPLYSLGPGERAHSTCGTKVFPERSGSGSASGSGGGGDL
GFLHLDCAPSNSDFFLNGGYSYRGVIFPTLRNSFKSRDLERLYQRYFLGQRRKSEVVMNVLDVLT
KLTLVLHLASAPMDPLKGILLGFFTGIEVVICALVVVRKDTTSHTYLQYSGVVTWVAMTTQILAA
GLGYLLGDGIGYVLFATYSMLPLPLTWAILAGLGTSLQVILQVVIPLAVISINQVVAQAVLFM
CMNTAGIFISYLSRAQRQAFLETRRCVEARLRLETENQRQERLVLVLPFVLEMINDMTNVED
EHLQHGFHRYHRYENVSLFADVKGFTNLSTTSAQELVRMLNELFARFDRLAHEHHCLRIKILGD
CYYCVSGLPEPRQDHAHCCVEMGLSMIKTIRYVRSRTKHVDVDMRIGHSGSVLCGVLGLRKWQFD
VWSWDVDIANKLES GGIPGRIHISKATLDCLNGDYNVEEGHGKERNEFLRKHNIETYLIKQPEDSLL
SLPEDIVKESVSSSDRRNSGATFTEGSWSPELPFDNIVGKQNTLAALTRNSINLLPNHLAQALHVQ
SGPEEINKRIEHTIDLRSGDKLRREHIKPFSLMFKDSSLEHKYSQMRDEVFKSNLVCAFMVLLFITAQ
SLLPSSRVMPMTIQFSILIMLHSALVLITTAEDYKCLPLILRKTCCWINETYLARNVIIFASILINFLGAILNI
LWCDFDKSIPLKNLTFNSSAVFTDICSYPEYFVFTGVLAMVTCVFLRLNSVLKLAVLLIMAIYALLT
ETVYAGLFLRYDNLNHSGEDFLGTKEVSLLLMAMFLLAVFYHGQQLEYTARLDFLWRVQAKEEIN
EMKELREHNENMLRNILPSHVARHFLEKDRDNEELYSQSYDAVGVMFASIPGFADFYSQTEMNN
QGVECLRLNNEIADFDELLGEDRFQDIEKIKTIGSTYMAVSGLSPEKQQCEDKWGHLCALADFSL
ALTESIQEINKHSFNNFELRIGISHGSSVAGVIGAKKPQYDIWGKTVNLA SRMDSTGVSGRIQVPEET
YLILKDQGFADYRGEIVKGISEQEGKIKTYFLLGRVQPNPFILPPRRLPGQYSLAAVVLGLVQSLN
RQRQKQLLNENNNTGIKGHYNRRTLLSPSGTEPGAQAEGTDKSDLP

Host Rabbit

Reactivity Human

Interspecies Antigen Sequence Mouse (97); Rat (97)

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ADCY8

Entrez GeneID[114](#)**GeneBank Accession#**[BC111456.3](#)**Protein Accession#**[AAI11457.1](#)**Gene Name**

ADCY8

Gene Alias

AC8, ADCY3, HBAC1

Gene Description

adenylate cyclase 8 (brain)

Omim ID[103070](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. The enzymatic activity is under the control of several hormones, and different polypeptides participate in the transduction of the signal from the receptor to the catalytic moiety. Stimulatory or inhibitory receptors (Rs and Ri) interact with G proteins (Gs and Gi) that exhibit GTPase activity and they modulate the activity of the catalytic subunit of the adenylyl cyclase [provided by RefSeq]

Other Designations

adenylate cyclase 8|adenylyl cyclase-8, brain

Pathway

- [Calcium signaling pathway](#)

- [Chemokine signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Purine metabolism](#)
- [Taste transduction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Bipolar Disorder](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)