

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ADCY3



Numéro de catalogue: 19492-1-AP

10 Publications

Informations de base

Numéro de catalogue:

19492-1-AP

Numéro d'acquisition GenBank:

NM_004036

Méthode de purification:

Purification par affinité contre l'antigène

Taille:

150ul, Concentration: 1300 µg/ml by Nanodrop and 653 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

109

Nom complet:

adenylate cyclase 3

Dilutions recommandées:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:50-1:500

Hôte:

Lapin

MW calculé

129 kDa

Isotype:

IgG

MW observés:

170-180 kDa

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : tissu de muscle squelettique de souris, tissu cérébral humain

IP : cellules MDCK,

IHC : tissu rénal humain, tissu cardiaque humain

IF : cellules MDCK, fibroblastes embryonnaires de souris, tissu cérébral de rat

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

ADCY3 is an adenylate cyclase (AC) functioning to convert ATP to cAMP in response to signals initiated by activation of Gs-coupled receptors. To date, 10 isoforms of AC have been cloned in mammals. Initially identified in olfactory cilia, ADCY3 is regarded as the olfactory isoform and required for detection of odorants. Recently it has been found that outside of the olfactory epithelium the olfactory-like signaling pathway including AC3 may also have a key role in spermatogenesis and spermatozoa functions. In addition, the ciliary location of AC3 makes it as a prominent marker for primary cilia in brain. AC3 is typically found at 130 kDa in olfactory tissues. In nonolfactory tissues (such as sperm), this protein is reported to migrate with a molecular mass of 55 kDa, occasionally accompanied by additional bands at either 90 or 130 kDa (PMID:9539154).

Publications notables

Autrice	Pubmed ID	Journal	Application
Casey D Gailey	32935890	Dev Dyn	IF
Alessia Di Nardo	34624412	Neurosci Res	WB
Shengjie Luo	35721542	Front Physiol	WB,IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

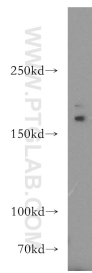
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

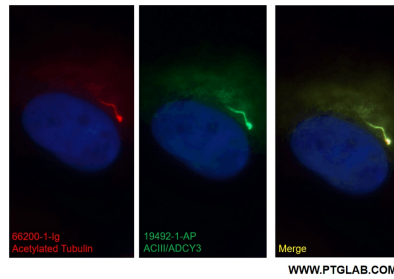
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

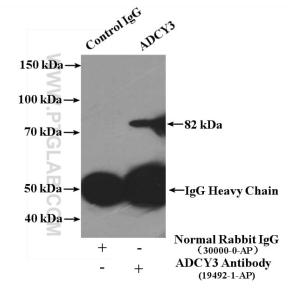
Données de validation sélectionnées



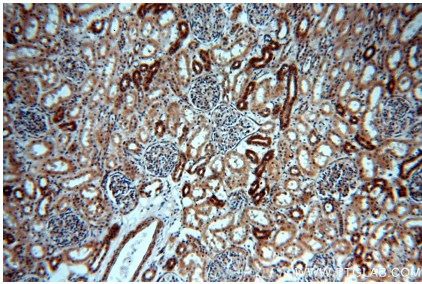
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 19492-1-AP (ADCY3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



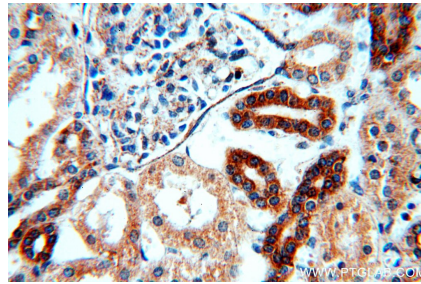
Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 19492-1-AP (ADCY3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-ADCY3 (IP:19492-1-AP, 4ug; Detection:19492-1-AP 1:500) with MDCK cells lysate 3500ug.



Immunohistochemical analysis of paraffin-embedded human kidney using 19492-1-AP (ADCY3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 19492-1-AP (ADCY3 antibody) at dilution of 1:100 (under 40x lens).