

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-BRAWNIN



Numéro de catalogue: 30212-1-AP

## Informations de base

|                           |                                              |                                  |                                             |
|---------------------------|----------------------------------------------|----------------------------------|---------------------------------------------|
| Numéro de catalogue:      | 30212-1-AP                                   | Numéro d'acquisition GenBank:    | Méthode de purification:                    |
| Taille:                   | 150ul, Concentration: 400 µg/ml by Nanodrop; | Identification du gène (NCBI):   | Purification par affinité contre l'antigène |
| Hôte:                     | Lapin                                        | Nom complet:                     | Dilutions recommandées:                     |
| Isotype:                  | IgG                                          | chromosome 12 open reading frame | WB 1:400-1:1000                             |
| Immunogen Catalog Number: | AG32955                                      | MW calculé                       | IF 1:200-1:800                              |
|                           |                                              | 8 kDa                            |                                             |
|                           |                                              | MW observés:                     |                                             |
|                           |                                              | 9 kDa                            |                                             |

## Applications

|                          |                                     |
|--------------------------|-------------------------------------|
| Applications testées:    | Contrôles positifs:                 |
| IF, WB, ELISA            | WB : cellules K-562, cellules MCF-7 |
| Spécificité de l'espèce: | IF : cellules U-251, cellules A431  |
| Humain                   |                                     |

## Informations générales

Ubiquinol-cytochrome-c reductase complex assembly factor 6 (UQCC6) is also named as BRAWNIN, BR and C12orf73, and belongs to the UQCC6 family. BRAWNIN (BR), a 71 a.a. peptide encoded by C12orf73, is essential for respiratory chain complex III (CIII) assembly. In human cells, BRAWNIN is induced by the energy-sensing AMPK pathway, and its depletion impairs mitochondrial ATP production. In zebrafish, Brawnin deletion causes complete CIII loss, resulting in severe growth retardation, lactic acidosis and early death (PMID:32161263). BR is also detectable in human cardiac and skeletal muscle where it displays a staining pattern characteristic of the mitochondria network. BR protein abundance in mouse tissues correlated well with that of mitochondrial respiratory chain proteins, being high in brown adipose, cardiac and skeletal muscle but virtually undetectable in white adipose tissue (PMID:32161263). BR resides in the IMM and not in the outer mitochondrial membrane (OMM) (PMID:32161263).

## Stockage

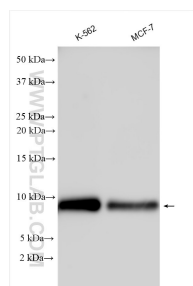
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

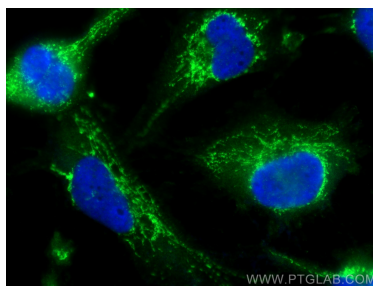
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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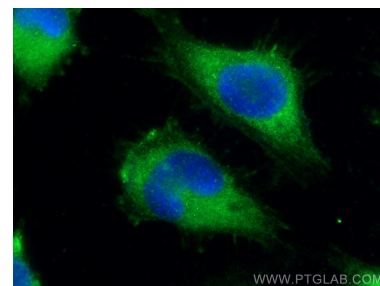
## Données de validation sélectionnées



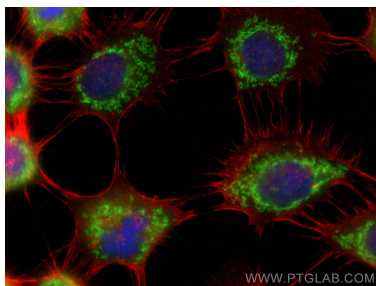
Various lysates were subjected to SDS PAGE followed by western blot with 30212-1-AP (BRAWNIN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using BRAWNIN antibody (30212-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using BRAWNIN antibody (30212-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using BRAWNIN antibody (30212-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).