À des fins de recherche uniquement

# Anticorps Monoclonal anti-FXYD6

Numéro de catalogue:68058-1-Ig

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## Informations de base

Numéro de catalogue:
68058-1-Ig

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG8538

Numéro d'acquisition GenBank:
BC018652

Identification du gène (NCBI):
53826

Nom complet:
FXYD domain containing ion transport regulator 6

MW calculé
95 aa, 11 kDa

MW observés:
20 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
2H1B7

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:500-1:2000
IF 1:400-1:1600

## Applications

Applications testées:
IF, IHC, WB, ELISA

Spécificité de l'espèce:
Humain, Lapin, porc, poulet, rat, souris

***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.***

Contrôles positifs:

WB : cellules PC-12, tissu cérébral de lapin, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris, tissu de cervelet de rat, tissu de cervelet de souris

IHC : tissu de cervelet de souris, tissu cérébral de souris

IF : cellules PC-12,

## Informations générales

The FXYD family is a group of small single-span transmembrane proteins characterized by a signature sequence containing an FXYD motif, two conserved glycines and a serine residue. Members of the FXYD family, including FXYD1 (phospholemman), FXYD2 (gamma subunit of Na,K-ATPase), FXYD3 (Mat8), FXYD4 (CHIF), FXYD5 (RIC), FXYD6 (phosphohippolin) and FXYD7, are tissue specific regulators of the Na,K-ATPase. FXYD6 is primarily expressed in the brain. It modulates the kinetic activity of Na,K-ATPase and has long-term physiological importance in maintaining cation homeostasis. It may play a role in endolymph composition and has a potential important role in neuronal excitability of the CNS during postnatal development and in the adult brain. On the SDS-PAGE FXYD6 migrates with an apparent molecular weight of approximately 20 kDa, which is larger than the calculated molecular weight of 10.5 kDa (PMID: 15193427; 17209044). The gene encodes FXYD6 is located on chromosome 11q23.3, and it might be a susceptibility gene of schizophrenia.

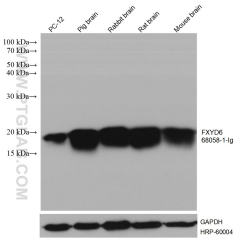
## Stockage

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

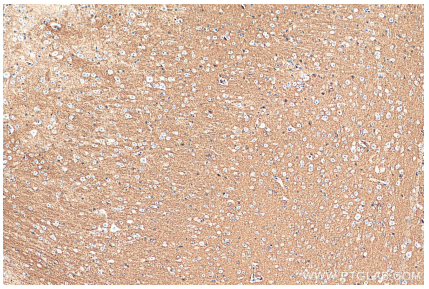
***** Les 20ul contiennent 0,1% de BSA.**

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

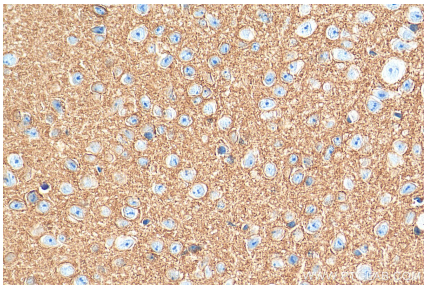
## Données de validation sélectionnées



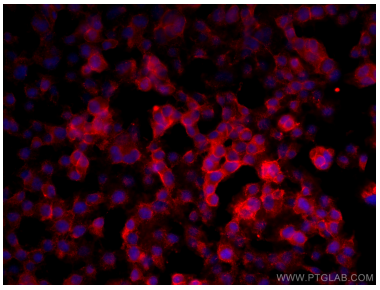

Various lysates were subjected to SDS PAGE followed by western blot with 68058-1-Ig (FXYD6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.




Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 68058-1-Ig (FXYD6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 68058-1-Ig (FXYD6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using FXYD6 antibody (68058-1-Ig, Clone: 2H1B7 ) at dilution of 1:800 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).