

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Glypican 4



Numéro de catalogue: 13048-1-AP

Phare

12 Publications

## Informations de base

Numéro de catalogue:

13048-1-AP

Taille:

150ul, Concentration: 650 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG3670

Numéro d'acquisition GenBank:

BC017166

Identification du gène (NCBI):

2239

Nom complet:

glypican 4

MW calculé

556 aa, 62 kDa

MW observés:

62 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

## Applications

Applications testées:

WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules A549, tissu cérébral humain, tissu rénal de souris

## Informations générales

Glypicans (GPCs) are a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulphate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation (PMID: 9931407). In mammals, there are six GPCs (GPC1 to GPC6), all of which have a similar core-protein size of approx. 60 kDa and the clustering of glycosaminoglycan attachment site near the C-terminus (PMID: 10585884). They are tethered to the cell surface by GPI linkages, which can be cleaved by endogenous phospholipases, thus releasing the protein. Human GPC4 is a 556-amino acid protein, and shows 93.5% identity to mouse K-glypican. The gene of GPC4 has been mapped to Xq26, and its mRNA is widely expressed in human tissues, including lung, kidney, heart, placenta, skeletal muscle, and pancreas. GPC4 has also been shown to be present in astrocytes, haematopoietic-progenitor and bone-marrow-stromal cells. Studies suggest that GPC4 is involved in the regulation of Wnt signaling and astrocyte GPC4 plays a role in formation of excitatory synapses (PMID: 22302992; 22722203). This antibody can recognize both full length (65 kDa) and cleaved (35 kDa) GPC4 as well as GPC6 (PMID: 18055828; 22722203).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yan Xiong	27425250	Biochem Biophys Res Commun	WB, IF
Isabella Farhy-Tselnicker	34494546	Elife	WB
Yuan Fang	31484922	Nat Commun	IHC, IF

## 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.

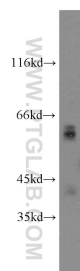
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## Données de validation sélectionnées



A549 cells were subjected to SDS PAGE followed by western blot with 13048-1-AP (Glypican 4 antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.