

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ST3GAL5



Numéro de catalogue: 14614-1-AP

2 Publications

Informations de base

Numéro de catalogue: 14614-1-AP	Numéro d'acquisition GenBank: BC065936	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 227 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 8869	Dilutions recommandées: WB 1:500-1:1000 IHC 1:50-1:500
Hôte: Lapin	Nom complet: ST3 beta-galactoside alpha-2,3-sialyltransferase 5	
Isotype: IgG	MW calculé: 48 kDa	
Immunogen Catalog Number: AG6207	MW observés: 45-50 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain

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

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules Jurkat, tissu placentaire humain, tissu testiculaire humain

IHC : tissu de muscle squelettique de souris, tissu cutané humain, tissu de muscle squelettique humain

Informations générales

ST3GAL5 is also named as SIAT9, GM3 synthase, ST3Gal V, Sialyltransferase 9 and belongs to the glycosyltransferase 29 family. ST3GAL5 transfers the sialyl group (N-acetyl-alpha-neuraminy or NeuAc) from CMP-NeuAc to the non-reducing terminal galactose of glycosphingolipids forming gangliosides (PMID:9822625, PMID:16934889). SIAT9 is mainly involved in the biosynthesis of ganglioside GM3 but can also use different glycolipids as substrate acceptors such as D-galactosylceramide (GalCer), asialo-GM2 (GA2) and asialo-GM1 (GA1) (PMID:16934889). ST3GAL5 is high expression in brain, skeletal muscle, placenta, and testis. And mRNA of ST3GAL5 is widely distributed in human brain, but slightly elevated expression was observed in the cerebral cortex, temporal lobe, and putamen (PMID:9822625). ST3GAL5 has 3 isoforms with the molecular mass of 45, 46, and 48 kDa. Sometimes the band of 70 kDa can also be observed, which may be a glycosylated form of ST3GAL5 (PMID: 34943806, PMID: 26458842).

Publications notables

Autrice	Pubmed ID	Journal	Application
Jiakuan Liu	36172374	Front Immunol	IHC
Norihiko Sasaki	36313564	Front Cell Dev Biol	WB

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.

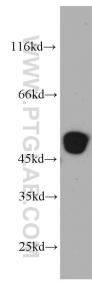
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

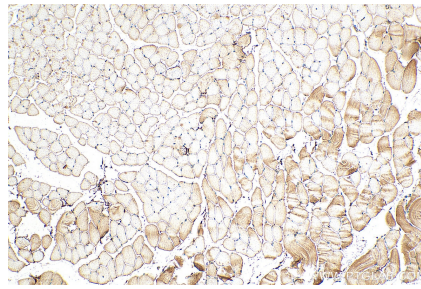
E: proteintech@ptglab.com
W: ptglab.com

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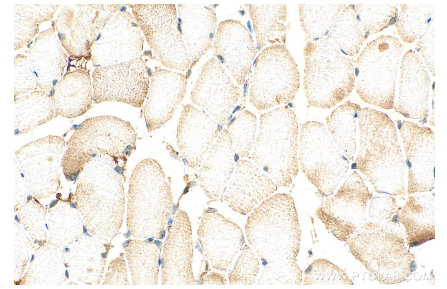
Données de validation sélectionnées



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14614-1-AP (ST3GAL5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14614-1-AP (ST3GAL5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14614-1-AP (ST3GAL5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).