

Nur für Forschungszwecke

GLUT3 Polyklonaler Antikörper

Katalog-Nr.: 20403-1-AP

47 Publikationen



Allgemeine Informationen

Katalog-Nr.: 20403-1-AP	GenBank-Zugangsnummer: BC039196	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 550 µg/ml von Nanodrop;	GeneID (NCBI): 6515	Empfohlene Verdünnungen: WB 1:2000-1:10000 IHC 1:2000-1:8000
Wirt: Kaninchen	Vollständiger Name: solute carrier family 2 (facilitated glucose transporter), member 3	
Isotyp: IgG	Berechnete Masse: 496 aa, 54 kDa	
Immunogen Katalognummer: AG14203	Beobachtete Masse: 48-60 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB: HEK-293-Zellen, C6-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, Maushirngewebe, Rattenhirngewebe, U-251-Zellen

IHC: Maushodengewebe, humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe, humanes Plazenta-Gewebe, Maushirngewebe

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

GLUT3 (SLC2A3) belongs to the glucose transporter family (GLUTs) which mediates the transport of glucose across cellular membranes in mammalian cells. There are three subclasses within GLUTs: class I comprises the classical transporters GLUT1-4 and GLUT14; class II contains the "odd" isoforms GLUT5, 7, 9, and 11; the isoforms GLUT6, 8, 10, 12 and the proton driven myoinositol transporter HMIT (GLUT13) belong to class III. GLUT3 is considered as a neuron-specific glucose transporter because of its dominant expression in the brain in various species. However, besides the brain GLUT3 is also expressed in tissues with high demand for glucose such as sperm, preimplantation embryos, circulating white blood cells, and an array of carcinoma cell lines. Recently GLUT3 has been identified as a sensitive and specific marker for embryonal carcinomas and yolk tumors. The GLUT14 is believed to be the duplicate gene of GLUT3 given to the high identity in sequence between them. This antibody was generated against the internal region of human GLUT3 and may cross-react with GLUT14. 20403-1-AP antibody detects the bands around 48-60 kDa which depend on the glycosylation state in SDS-PAGE. (PMID: 23866118, 10336639, 9124334, 1505464, 23343953, 28574837)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xing Ge	34547719	Aging (Albany NY)	IF
De Huang	25242319	Cell Rep	WB
Fangfang Wang	32949999	EBioMedicine	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

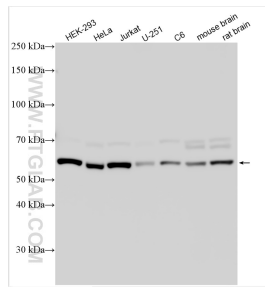
For technical support and original validation data for this product please contact:

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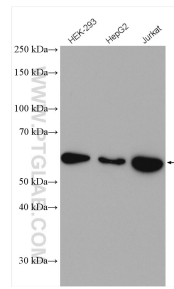
E: proteintech@ptglab.com
W: ptglab.com

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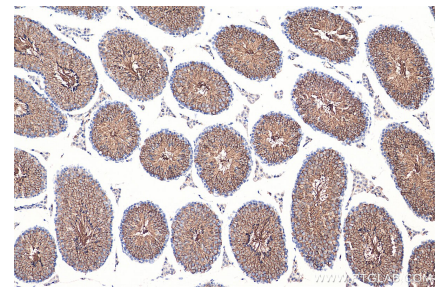
Ausgewählte Validierungsdaten



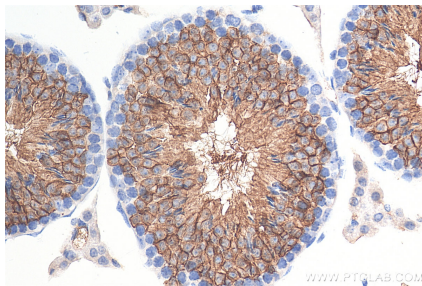
Various lysates were subjected to SDS PAGE followed by western blot with 20403-1-AP (GLUT3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 20403-1-AP (GLUT3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 20403-1-AP (GLUT3 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 20403-1-AP (GLUT3 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).