Datasheet for ABIN735653

anti-PEG3 antibody (AA 1501-1588)

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Overview

Quantity:	100 µL
Target:	PEG3
Binding Specificity:	AA 1501-1588
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEG3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PEG3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	PEG3

Target Details

Alternative Name:	PEG3 (PEG3 Products)
Background:	Synonyms: PW1, ZNF94, ZSCAN24, ZKSCAN22, Paternally-expressed gene 3 protein, Zinc finger and SCAN domain-containing protein 24, PEG3, KIAA287 Background: Induces apoptosis in cooperation with SIAH1A. Acts as a mediator between p53/TP53 and BAX in a neuronal death pathway that is activated by DNA damage. Acts synergistically with TRAF2 and inhibits TNF induced apoptosis through activation of NF-kappa-B (By similarity). Possesses a tumor suppressing activity in glioma cells.
Gene ID:	5178
UniProt:	Q9GZU2

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

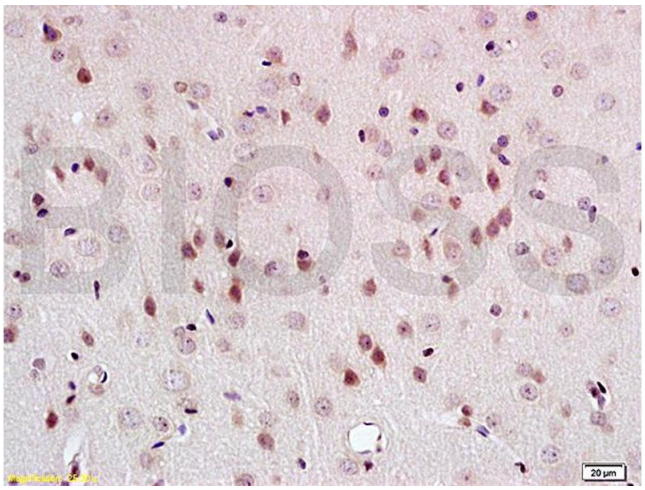
Publications

Product cited in:

Yao, Norris, Mason, Strickland: "Laminin regulates PDGFRβ(+) cell stemness and muscle development." in: **Nature communications**, Vol. 7, pp. 11415, (2016) (PubMed).

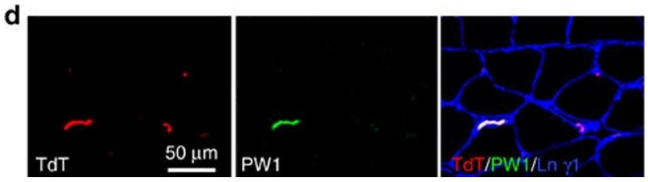
Ge, Liang, Luo, Wei, Han, Schatten, Sun, Zhang: "Diabetic uterus environment may play a key role in alterations of DNA methylation of several imprinted genes at mid-gestation in mice." in: **Reproductive biology and endocrinology : RB&E**, Vol. 11, Issue 1, pp. 119, (2014) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-PEG3 Polyclonal Antibody, Unconjugated (ABIN735653) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence (Paraffin-embedded Sections)

Image 2. Specificity of Pdgfrβ-driven Cre.(a-e) TdT (red) expression co-localized with PDGFRβ (a, green), PW1 (d, green), but not Pax7 (b, green), PDGFRα (c, green) or CD31 (e, green) in Ai14:Pdgfrβ-Cre+ reporter mice. TdT, tdTomato. (f) Laminin γ1 (blue) and PDGFRβ (red) expression in tibialis anterior muscles. (g) Western blot analysis of laminin γ1 and PDGFRβ expression in skeletal muscles. GAPDH was used as a loading control, n=4. Scale bars, 50µm. ***P<0.001 (Student's t-test). The results are shown as mean±s.d. - figure provided by CiteAb. Source: PMID27138650