

Datasheet for ABIN2782340

anti-Glycogen Synthase 2 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	Glycogen Synthase 2 (GYS2)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Horse, Cow, Guinea Pig, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glycogen Synthase 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GYS2
Sequence:	TLSRAFPDKF HVELTSPPTT EGFKYPRPSS VPPSPSGSQA SSPQSSDVED
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against GYS2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Glycogen Synthase 2 (GYS2)
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Target Details

Alternative Name:	GYS2 (GYS2 Products)
Background:	<p>GYS2 transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.</p> <p>Defects in GYS2 are the cause of glycogen storage disease type 0 (GSD0).</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: GYG2, UBC, TNFRSF1A,</p> <p>Protein Size: 703</p>
Molecular Weight:	81 kDa
Gene ID:	2998
NCBI Accession:	NM_021957 , NP_068776
UniProt:	P54840
Pathways:	AMPK Signaling , Cellular Glucan Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 703 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-GYS2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle