

Datasheet for ABIN228217

anti-Glycogen Synthase 1 antibody (pSer641)



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Overview

Quantity:	100 µL
Target:	Glycogen Synthase 1 (GYS1)
Binding Specificity:	pSer641
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glycogen Synthase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic phosphopeptide (KLH coupled) corresponding to residues surrounding Ser641 of human liver glycogen synthase. Type of Immunogen: Synthetic phospho-peptide
Isotype:	IgG
Specificity:	Detects both muscle and liver isoforms of glycogen synthase only when phosphorylated at serine 640 or 641 of muscle and liver isoforms, respectively.
Purification:	Immunoaffinity purified

Target Details

Target:	Glycogen Synthase 1 (GYS1)
Alternative Name:	GYS1 / Glycogen Synthase (GYS1 Products)
Background:	Name/Gene ID: GYS1 Synonyms: GYS1, Glycogen synthase 1 (muscle), GSY, GYS
Gene ID:	2997
UniProt:	P13807
Pathways:	PI3K-Akt Signaling , AMPK Signaling , Cellular Glucan Metabolic Process

Application Details

Application Notes:	Approved: IHC, IHC-P, IP (1:100), WB (1:1000) Usage: Suitable for use in Western Blot, Immunoprecipitation, Immunohistochemistry. Western Blot: 1:1000. Immunoprecipitation: 1:100. Immunohistochemistry (Paraffin): 1:25.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	10 mM sodium HEPES, pH 7.5, 150 mM sodium chloride, BSA, 50 % glycerol.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.