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Datasheet for ABIN752182

anti-Glycogen Synthase 2 antibody (AA 621-703) (HRP)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Glycogen Synthase 2 (GYS2) |
| Binding Specificity: | AA 621-703 |
| Reactivity: | Mouse, Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Glycogen Synthase 2 antibody is conjugated to HRP |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human Glycogen synthase 2 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Pig |
| Predicted Reactivity: | Human,Rat,Dog,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | Glycogen Synthase 2 (GYS2) |
| Alternative Name: | Glycogen synthase 2 (GYS2 Products) |

Target Details

Background: Synonyms: Glycogen starch synthase liver, Glycogen starch synthase liver, EC 2.4.1.11, Glycogen synthase 2 liver, GYS2, GYS2_HUMAN.
Background: Glycogen synthase catalyzes the rate-limiting step in glycogen synthesis. Its activity is regulated by a complex phosphorylation-dephosphorylation mechanism and by allosteric stimulators and inhibitors. Two isozymes of synthase, a skeletal muscle type (Glycogen synthase 1 - GYS1) and a liver type (Glycogen synthase 2 - GYS2), have been identified.

Gene ID: 2998

Pathways: [AMPK Signaling](#), [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months