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Datasheet for ABIN5003562
anti-GLS2 antibody (AA 41-140) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	GLS2
Binding Specificity:	AA 41-140
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLS2 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GLS2/LGA
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GLS2
Alternative Name:	GLS2 (GLS2 Products)

Target Details

Background: Synonyms: GA, GLS, LGA, hLGA, Glutaminase liver isoform, mitochondrial, L-glutaminase, L-glutamine amidohydrolase, GLS2

Background: Plays an important role in the regulation of glutamine catabolism. Promotes mitochondrial respiration and increases ATP generation in cells by catalyzing the synthesis of glutamate and alpha-ketoglutarate. Increases cellular anti-oxidant function via NADH and glutathione production. May play a role in preventing tumor proliferation.

Gene ID: 27165

UniProt: [Q9UI32](#)

Pathways: [Dicarboxylic Acid Transport](#), [Warburg Effect](#)

Application Details

Application Notes: 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: 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.

Storage: -20 °C

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

Expiry Date: 12 months