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Datasheet for ABIN5004267

## anti-GLYCTK antibody (AA 251-350) (Alexa Fluor 680)

### Overview

Quantity:	100 µL
Target:	GLYCTK
Binding Specificity:	AA 251-350
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLYCTK antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HBEBP2/GLYCTK
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

### Target Details

Target:	GLYCTK
Alternative Name:	HBEBP2/GLYCTK ( <a href="#">GLYCTK Products</a> )

## Target Details

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**Background:** Synonyms: CG9886 like, GLCTK\_HUMAN, Glycerate kinase, Glyctk, GLYCTK1, HBeAg binding protein 2, HBeAg binding protein 4, HBeAg-binding protein 4, HBeAgBP4A, HBEBP2, HBEBP4.  
Background: GLYCTK is a 523 amino acid protein that is expressed as seven isoforms which are present throughout the body. Localized to the cytoplasm and the mitochondrion in an isoform-specific manner, GLYCTK functions to catalyze the ATP-dependent conversion of (R)-glycerate to 3-(R)-glycerate, thereby playing an important role in neural and skeletal muscle systems. Defects in the gene encoding GLYCTK are the cause of D-glyceric acidemia, an inborn error of amino acid metabolism that is best described as nonketotic hyperglycinemia and is characterized by the excretion of D-glyceric acid in the urine.

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**Gene ID:** 132158

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## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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

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**Expiry Date:** 12 months

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