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Anti-Glutaminase C Rabbit mAb [34G18]

Catalog No.: A52132

Basic Information

Catalog No. (Cat.No.)	A52132
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Glutaminase C,GLS1-C,GLS,KGA,kidney-type glutaminase,glutaminase C

Product Information

Target	Glutaminase C
Molecular Weight(Calculated)	68 kDa
Molecular Weight(Observed)	55-65 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	34G18
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Glutaminase-1, kidney isoform (Glutaminase-C)
Gene Name	*GLS1*
Domain	NA
Background	Glutaminase C (GAC) is a spliced subtype protein of the key glutamine metabolic enzyme family, mainly expressed in rapidly proliferating tumor cells and metabolically active tissue cells. It coregulates cellular glutamine catabolism, energy synthesis, tumor cell proliferation and microenvironment regulation. GAC efficiently catalyzes the hydrolysis of glutamine into glutamate, providing sufficient energy and synthetic raw materials for tumor cells to support infinite proliferation, invasion and metastasis. Abnormally overexpressed in various malignant tumors, GAC acts as a core driver of tumor glutamine metabolic reprogramming, and its excessive activation promotes tumor malignant progression, drug resistance and metabolic disorders.