

Mouse GAPDH Monoclonal Antibody | anti-GAPDH antibody

MOUSE ANTI RABBIT GAPDH:HRP

CATALOG # AAA50237	HOST Mouse	APPLICATIONS Western Blot, ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; MOUSE ANTI RABBIT GAPDH:HRP; anti-GAPDH antibody

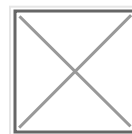
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6C5
Form/Format	HRP Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	293
Applicable Applications for anti-GAPDH antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry)
Perservative Stabilisers	0.01% Thiomersal HRP Stabiliser Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Rabbit
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

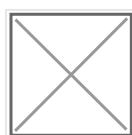
IMAGES


Application Data

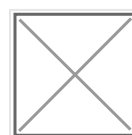
Staining of HeLa whole cell lysate with Mouse anti Rabbit GAPDH:HRP (AAA50237)


Application Data

Staining of HeLa whole cell lysate with Mouse anti Rabbit GAPDH:DylightR680 imaged with a LiCor OdysseyR


Application Data

Staining of HeLa whole cell lysate with Mouse anti Rabbit GAPDH:DylightR800 imaged with a LiCor OdysseyR


Application Data

Staining of HeLa whole cell lysate with Mouse anti Rabbit GAPDH:DylightR750 imaged with a LiCor OdysseyR

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Mouse anti Rabbit GAPDH antibody, clone 6C5 recognizes glyceraldehyde-3-phosphate dehydrogenase (GAPDH), a 36kD multifunctional protein whose main function is to catalyse the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate, in conjunction with inorganic phosphate and nicotinamide adenine dinucleotide (NAD). This reaction is an important energy yielding step in carbohydrate metabolism. GAPDH has also been shown to translocate to the nucleus under a variety of stressors, most of which are associated with oxidative stress, whereby it mediates cell death. A further report has shown that GAPDH binds to several proteins that are responsible for neurodegenerative diseases, such as amyloid precursor protein and Huntingtin (Hara et al. 2006).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	378404908
NCBI GeneID	2597
NCBI Accession #	NP_001243728.1
NCBI GenBank Nucleotide #	NM_001256799.2
Molecular Weight	31,548 Da
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase isoform 2
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	GAPDH
NCBI Official Synonym Symbols	G3PD; GAPD; HEL-S-162eP
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; epididymis secretory sperm binding protein Li 162eP; peptidyl-cysteine S-nitrosylase GAPDH
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
UniProt Gene Name	GAPDH
UniProt Synonym Gene Names	GAPD; GAPDH
UniProt Entry Name	G3P_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.