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PRODUCT DATASHEET

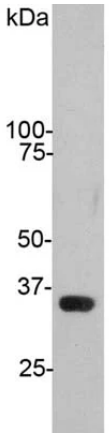
Anti-GAPDH Antibody

Product Details

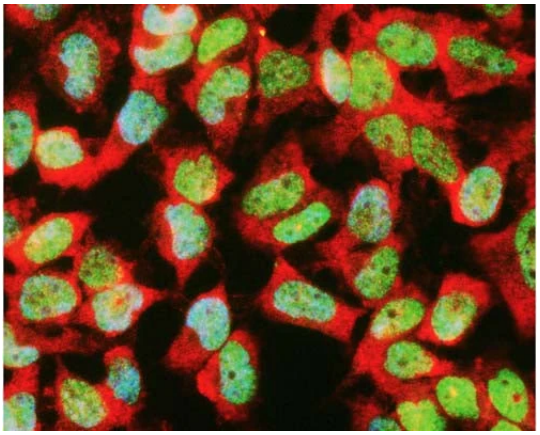
Available Variants	100 µL (SKU:R-1701-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Buffer	Lyophilized with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:10000-1:30000 ICC: 1:1000-1:10000
Species Reactivity	Human, Mouse
Immunogen	Full length recombinant human GAPDH expressed in and purified from E. coli
Specificity	Specific for the ~36-38 kDa Glyceraldehyde 3-Phosphate Dehydrogenase (GAPDH) protein.
Molecular Weight	~36-38 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P04406
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

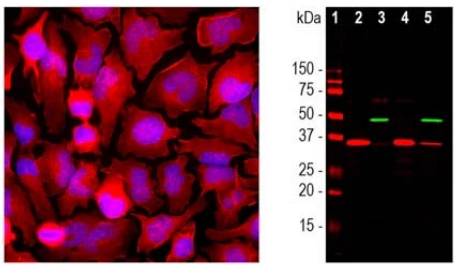
Product Images



HeLa cell extract blotted with rabbit anti-GAPDH. Note the single sharp band corresponding to GAPDH.



HeLa cells stained with rabbit anti-GAPDH (red), monoclonal to TAF15 (green) and DNA (blue). The antibody reveals strong cytoplasmic staining for GAPDH.



Left: HeLa cells stained with rabbit antibody to GAPDH (red, 1:2,000) by **Immunocytochemistry**. Blue: Hoechst nuclear stain. The GAPDH antibody produces diffuse cytoplasmic staining. **Right: Western blot** analysis of cell cytosolic- or nuclear-enriched fractions, using rabbit antibody to GAPDH (red, 1:20,000, lanes 2-5). [1] protein standard, [2] NIH-3T3 cytosolic, [3] NIH-3T3 nuclear, [4] HeLa cytosolic, and [5] HeLa nuclear fractions. A strong band at 37 kDa corresponds to GAPDH protein, mainly detected in the cytosolic fractions. The same blot was simultaneously probed with mouse antibody to the nuclear RNA binding protein SF3B4 (M-1576-100, green, 1:1,000). In contrast to GAPDH, SF3B4 is exclusively expressed in the nuclear fraction.