Product datasheet

Anti-GAPDH Antibody

Catalog Number: *BM3876*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-GAPDH Antibody
Gene Name	GAPDH
Source	Mouse
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, IP, FCM
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1mg BSA
Immunogen	A synthesized peptide derived from human GAPDH Mouse Monoclonal Antibody
Purification	Affinity-chromatography
Observed MW	36 kDa
Dilution Ratios	Western blot (WB): 1:1000-5000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:50 Flow Cytometry (FCM): 1:50

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. GAPDH is constitutively abundant expressed in almost cell types at high levels, therefore antibodies against GAPDH are useful as loading controls for Western Blotting. Some pathology factors, such as hypoxia and diabetes, increased or decreased GAPDH expression in certain cell types.

Reference

Anti-GAPDH Antibody被引用在96文献中。

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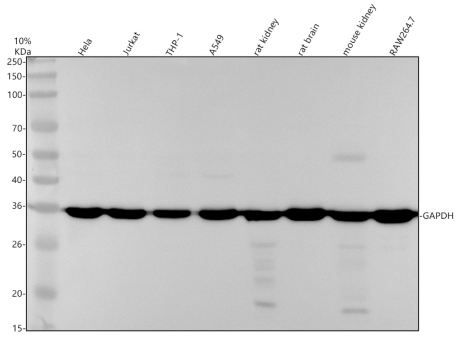
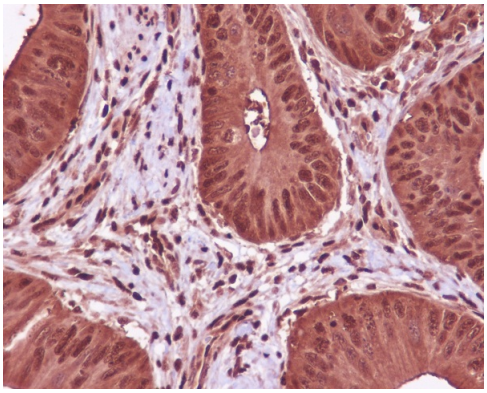
Selected Validation Data



Western blot analysis of anti-GAPDH antibody (BM3876). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human Jurkat whole cell lysates,
Lane 3: human THP-1 whole cell lysates,
Lane 4: human A549 whole cell lysates,
Lane 5: rat kidney tissue lysates,
Lane 6: rat brain tissue lysates,
Lane 7: mouse kidney tissue lysates,
Lane 8: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-GAPDH antigen affinity purified monoclonal antibody (BM3876) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GAPDH at approximately 36 kDa. The expected band size for GAPDH is at 36 kDa.



IHC analysis of anti- GAPDH antibody (BM3876).detected in paraffin-embedded section of human colon cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.