Product datasheet

Anti-GAPDH Antibody (Clone#BG-7)

Catalog Number: *BM3874*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-GAPDH Antibody (Clone#BG-7)
Gene Name	GAPDH
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat, chicken, monkey
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human GAPDH
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	36 kDa
Dilution Ratios	Western blot (WB): 1:2000-20000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 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

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE

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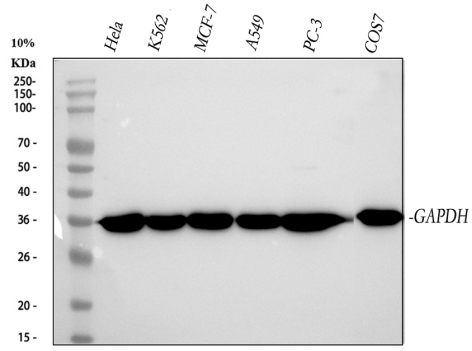
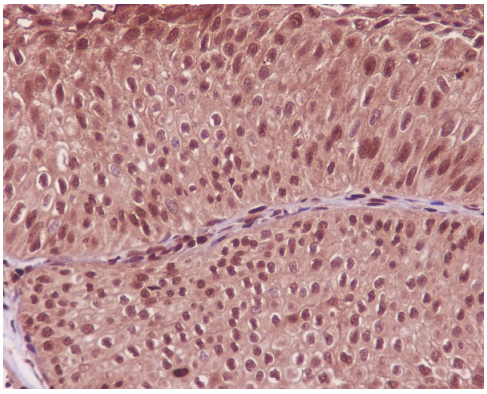
Anti-GAPDH Antibody (Clone#BG-7)被引用在78文献中。

Selected Validation Data



Western blot analysis of anti-GAPDH antibody (BM3874). 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 K562 whole cell lysates,
Lane 3: human MCF-7 whole cell lysates,
Lane 4: human A549 whole cell lysates,
Lane 5: human PC-3 whole cell lysates,
Lane 6: monkey COS-7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GAPDH antigen affinity purified monoclonal antibody (BM3874) at a dilution of 1:5000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). 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.



Immunohistochemical analysis of paraffin-embedded human bladder cancer, using GAPDH Antibody.

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