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Anti-Grp75 (HSPA9) Mouse Monoclonal Antibody [Clone ID: OTI9F8]

Catalog Number: M02561-1

Overview

Product Name	Anti-Grp75 (HSPA9) Mouse Monoclonal Antibody [Clone ID: OTI9F8]
Reactive Species	Dog, Human, Monkey, Mouse, Rat
Description	Boster Bio HSPA9 mouse monoclonal antibody, clone OTI9F8 (formerly 9F8). Catalog# M02561-1. Tested in FC, IF, IHC, WB. This antibody reacts with Human, Monkey, Mouse, Rat, Dog.
Conjugate	Unconjugated
Application	Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal OTI9F8
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P38646

Technical Details

Immunogen	Full length human recombinant protein of human HSPA9 (NP_004125) produced in HEK293T cell.
Isotype	IgG2b
Concentration	1 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	WB: 1:1000~2000 IHC: 1:50 IF: 1:50 Flow cytometry: 1:100

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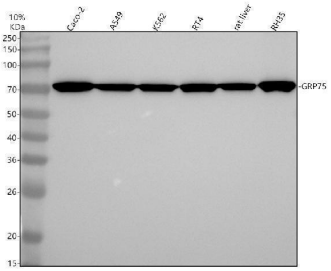
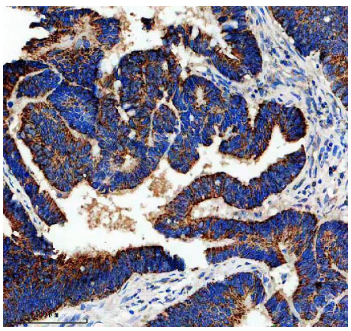
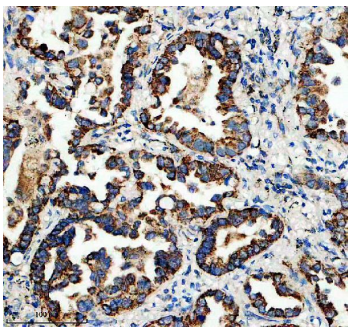
Anti-Grp75 (HSPA9) Mouse Monoclonal Antibody [Clone ID: OTI9F8] (M02561-1) Images



Western blot analysis of GRP75/HSPA9 using anti-GRP75/HSPA9 antibody (M02561-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: human RT4 whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat RH35 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-GRP75/HSPA9 antigen affinity purified monoclonal antibody (M02561-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GRP75/HSPA9 at approximately 74 kDa. The expected band size for GRP75/HSPA9 is at 74 kDa.



IHC analysis of GRP75/HSPA9 using anti-GRP75/HSPA9 antibody (M02561-1). GRP75/HSPA9 was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 mouse anti-GRP75/HSPA9 Antibody (M02561-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.



IHC analysis of GRP75/HSPA9 using anti-GRP75/HSPA9 antibody (M02561-1). GRP75/HSPA9 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 mouse anti-GRP75/HSPA9 Antibody (M02561-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.

IHC analysis of GRP75/HSPA9 using anti-GRP75/HSPA9 antibody (M02561-1). GRP75/HSPA9 was detected in a paraffin-embedded section of rat brain tissue. Heat

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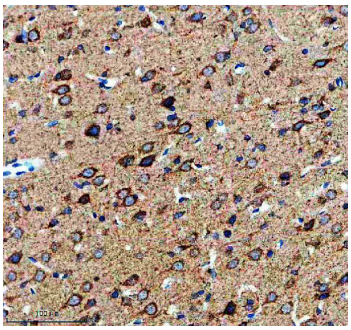
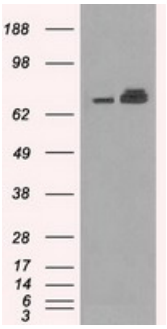
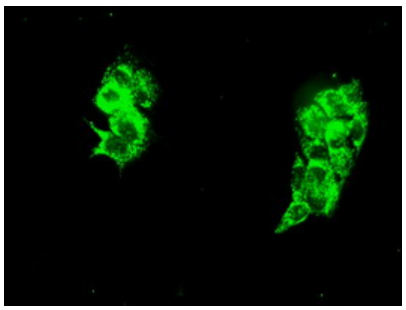


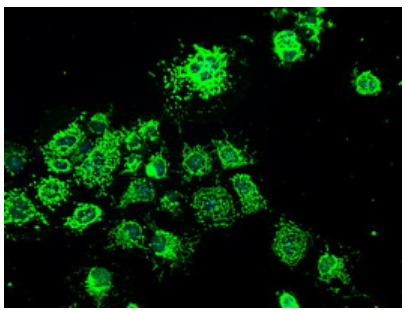
mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 mouse anti-GRP75/HSPA9 Antibody (M02561-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.



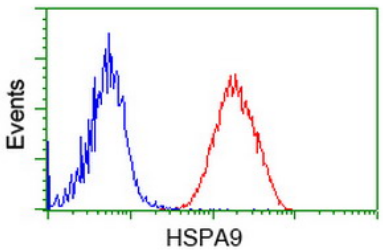
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSPA9 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSPA9.



Immunofluorescent staining of HepG2 cells using anti-HSPA9 mouse monoclonal antibody (M02561-1).



Anti-HSPA9 mouse monoclonal antibody (M02561-1) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HSPA9.



Flow cytometric Analysis of Jurkat cells

Flow cytometric Analysis of Hela cells

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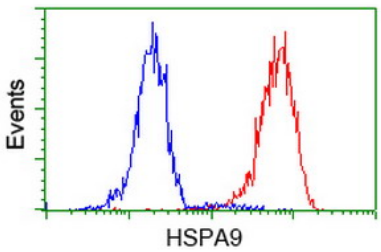

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