

产品名称: HSP70(3G10)Mouse Monoclonal Antibody
产品货号: AMM12254



产品概述 (Summary)

产品名称 (Production Name)	HSP70(3G10)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	PBS, pH 7.4, containing 0.5%protective protein, 0.02% New type preservative N as Preservative and 50% Glycerol.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HSPA1L/HSPA1A
别名 (Alternative Names)	
基因 ID (Gene ID)	3305/3303/3304
蛋白 ID (SwissProt ID)	P34931/P08107.Synthetic Peptide of HSP70

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:2000,IHC 1:50-1:300,ICC/IF 1:100-1:200
蛋白分子量 (Molecular Weight)	70kDa

研究背景 (Background)

This gene encodes a 70kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes

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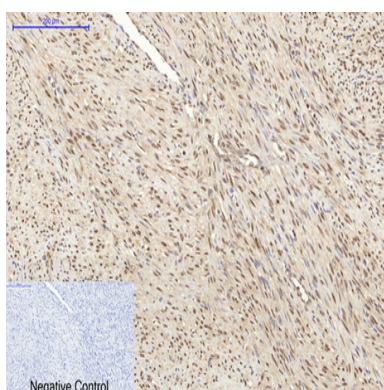


existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which also encode isoforms of the 70kDa heat shock protein. [provided by RefSeq, Jul 2008],function:In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage.,induction:Not induced by heat shock.,similarity:Belongs to the heat shock protein 70 family.,tissue specificity:Expressed in spermatids.,

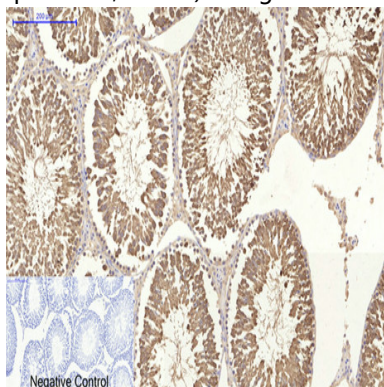
研究领域 (Research Area)

Spliceosome;MAPK_ERK_Growth;MAPK_G_Protein;Endocytosis;Antigen processing and presentation;

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,HSP70 Monoclonal Antibody (3G10) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.

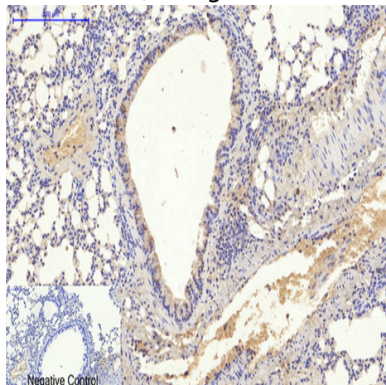


Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1,HSP70 Monoclonal Antibody (3G10) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody

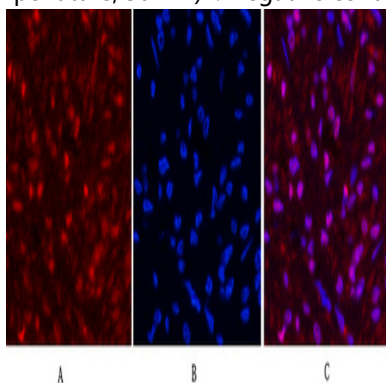
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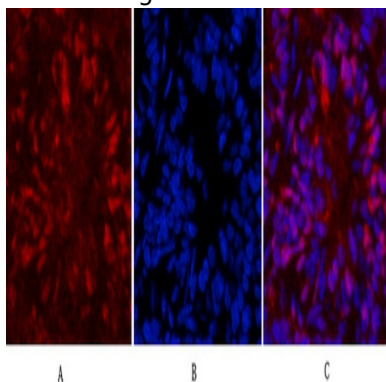
was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,HSP70 Monoclonal Antibody (3G10) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.

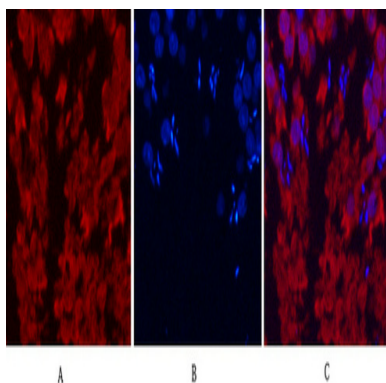


Immunofluorescence analysis of Human-breast-cancer tissue. 1,HSP70 Monoclonal Antibody (3G10) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

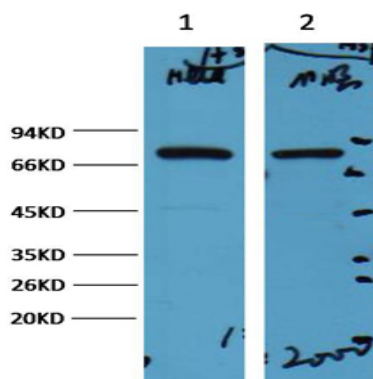


Immunofluorescence analysis of Mouse-lung tissue. 1,HSP70 Monoclonal Antibody (3G10) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

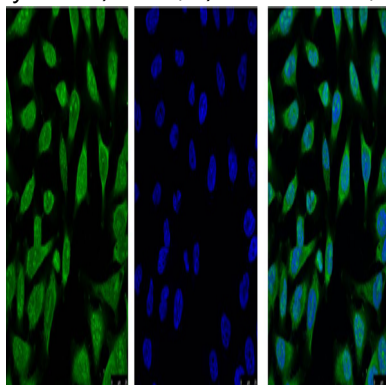
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Immunofluorescence analysis of Rat-testis tissue. 1, HSP70 Monoclonal Antibody (3G10) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

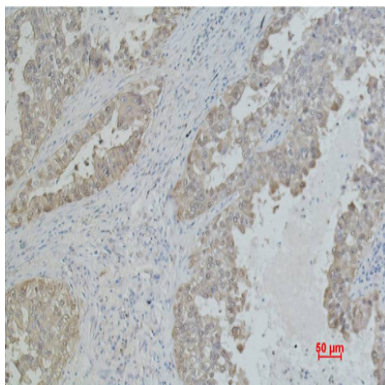


Western blot analysis of 1) Hela, 2) Mouse Brain, diluted at 1:2000.



IF analysis of Hela with antibody (Left) and DAPI (Right) diluted at 1:100.

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Immunohistochemical analysis of paraffin-embedded Human Lung carcinoma using Mouse mAb diluted at 1:500.

注意事项 (Note)

For research use only .