Product Name: HSP70(3G10)Mouse Monoclonal Antibody
Catalog #: AMM12254

Summary

Production Name	HSP70(3G10)Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-P,IF-P,IF-F,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	HSPA1L/HSPA1A
Alternative Names	
Gene ID	3305/3303/3304
SwissProt ID	P34931/P08107.Synthetic Peptide of HSP70

Application

Dilution Ratio	WB 1:1000-2000, IF-P/IF-F/ICC/IF 1:100-200, IHC-P 1:50-300
Molecular Weight	70kDa

Product Name: HSP70(3G10)Mouse Monoclonal Antibody
Catalog #: AMM12254

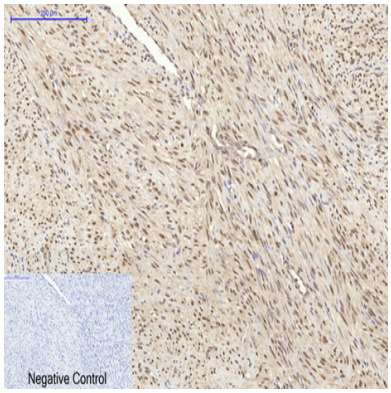
Background

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

Research Area

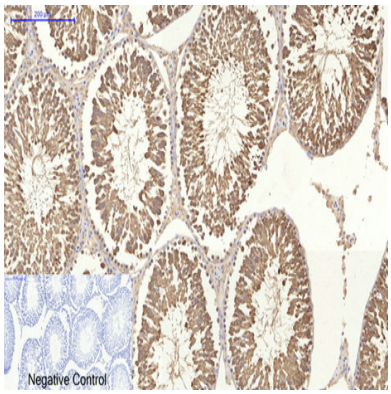
Spliceosome;MAPK_ERK_Growth;MAPK_G_Protein;Endocytosis;Antigen processing and presentation;

Image Data

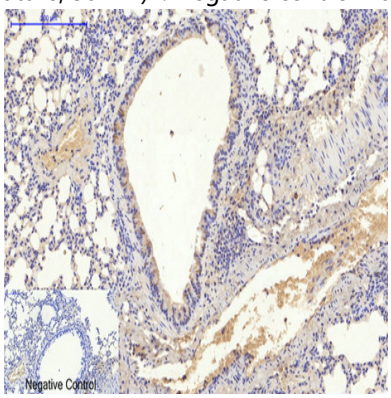


Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,HSP70 Monoclonal Antibody（3G10）was diluted at 1:200（4°C,overnight）. 2, Sodium citrate pH 6.0 was used for antibody retrieval（>98°C,20min）. 3,Secondary antibody was diluted at 1:200（room tempeRature, 30min）. Negative control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

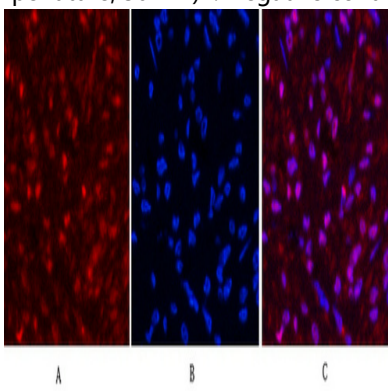
Product Name: HSP70(3G10)Mouse Monoclonal Antibody
Catalog #: AMM12254



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

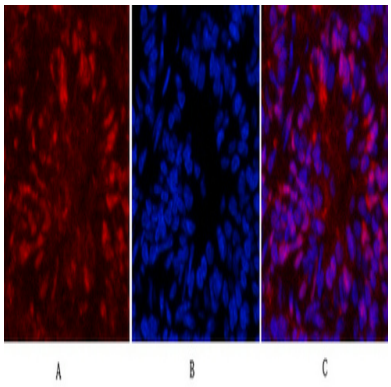


Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,HSP70 Monoclonal Antibody（3G10） was diluted at 1:200（4°C,overnight）. 2, Sodium citrate pH 6.0 was used for antibody retrieval（>98°C,20min）. 3,Secondary antibody was diluted at 1:200（room tempeRature, 30min）. Negative control was used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

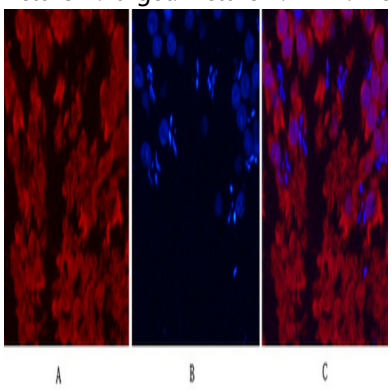


Immunofluorescence analysis of Human-breast-cancer tissue. 1,HSP70 Monoclonal Antibody（3G10） （red） was diluted at 1:200（4°C,overnight）. 2, Cy3 labled Secondary antibody was diluted at 1:300（room temperature, 50min）.3, Picture B: DAPI（blue） 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of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

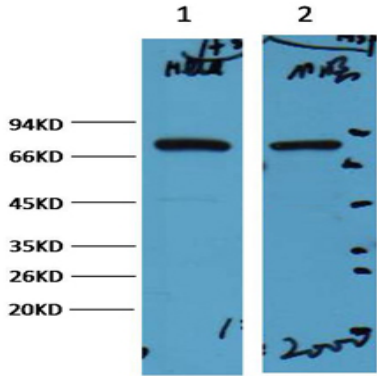
Product Name: HSP70(3G10)Mouse Monoclonal Antibody
Catalog #: AMM12254



Immunofluorescence analysis of Mouse-lung tissue. 1,HSP70 Monoclonal Antibody（3G10） （red） was diluted at 1:200（4°C,overnight）. 2, Cy3 labled 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

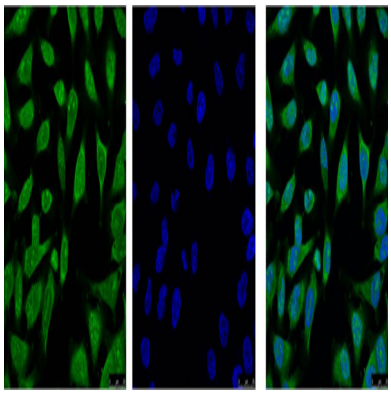


Immunofluorescence analysis of Rat-testis tissue. 1,HSP70 Monoclonal Antibody（3G10） （red） was diluted at 1:200（4°C,overnight）. 2, Cy3 labled Secondary antibody was diluted at 1:300（room temperature, 50min）.3, Picture B: DAPI（blue） 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

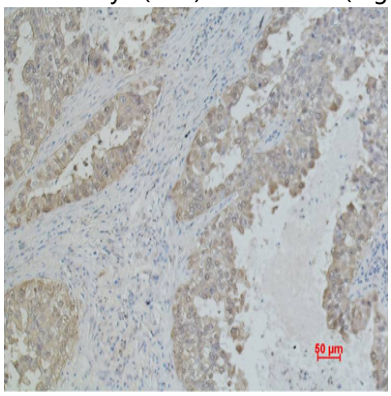


Western blot analysis of 1） Hela, 2） Mouse Brain, diluted at 1:2000.

Product Name: HSP70(3G10)Mouse Monoclonal Antibody
Catalog #: AMM12254



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



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

Note

For research use only.