



HSP70 rabbit pAb

Cat No.:ES4154

For research use only

Overview

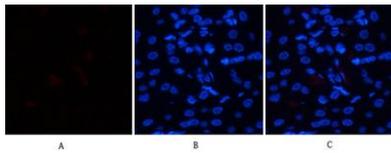
Product Name	HSP70 rabbit pAb
Host species	Rabbit
Applications	IF;WB;IHC;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	IF: 1:50-200 Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from human HSP70 around the non-acetylation site of K246.
Specificity	HSP70 Polyclonal Antibody detects endogenous levels of HSP70 protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Heat shock 70 kDa protein 1A/1B
Gene Name	HSPA1A
Cellular localization	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Secreted . Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	3303/3304
Human Swiss-Prot Number	PODMV8/PODMV9
Alternative Names	HSPA1A; HSPA1; HSPA1B; Heat shock 70 kDa protein 1A/1B; Heat shock 70 kDa protein 1/2; HSP70-1/HSP70-2; HSP70.1/HSP70.2
Background	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein



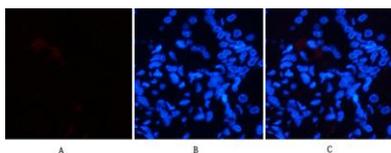


70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of human-kidney tissue.
1,HSP70 Polyclonal Antibody(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. Pict

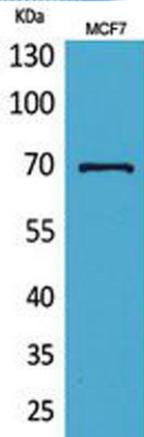


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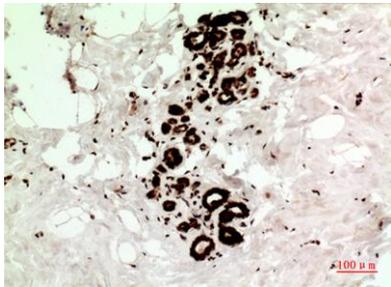


ELK Biotechnology



Western Blot analysis of MCF7 cells using HSP70 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded human-Breast-cancer, antibody was diluted at 1:100



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