

Recombinant Hsp70 1A Monoclonal Antibody

catalog number: **E-AB-81567**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

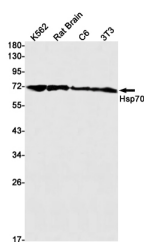
Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human Hsp70
Host	Rabbit
Isotype	IgG
Clone	R04-7A2
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications

Applications	Recommended Dilution
WB	1:1000-1:2000
IHC	1:50-1:100
IF	1:50-1:200

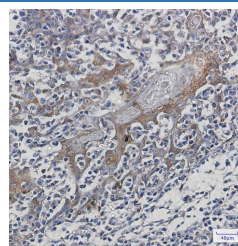
Data



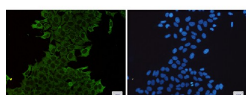
Western blot detection of Hsp70 in K562,Rat Brain,C6,3T3 cell lysates using Hsp70 Rabbit mAb(1:1000 diluted).Predicted band size:70kDa.Observed band size:70kDa.

Observed-MW:70 kDa

Calculated-MW:70 kDa



Immunohistochemistry of Hsp7 in paraffin-embedded Human tonsil using Hsp7 Rabbit mAb at dilution 1:50



Immunofluorescence of Hsp70(green) in HeLa cells using Hsp70 Rabbit mAb at dilution 1:200, and DAPI(blue)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. A void freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

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.

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