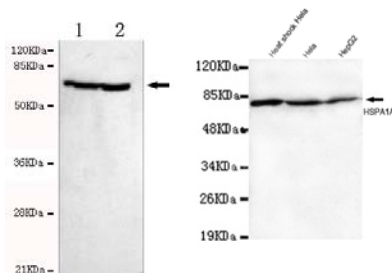




HSPA1A Antibody

E220046

Catalog Number	E220046-1, E220046-2
Amount	50µg/50µl, 100µg/100µl
Description	Mouse monoclonal IgG to HSPA1A
GeneBank ID	NM_005345.4
Immunogen	Recombinant fragment of human HSPA1A (C-terminus).
Reacts with	Hu
Tested applications	Recommended dilutions. ELISA: 1/5000 - 1/20000. WB: 1/100-1/2000.
Cellular localization	Cytoplasm
Relevance	Hsp70 genes encode abundant heat-inducible 70-kDa hsps (hsp70s). In most eukaryotes hsp70 genes exist as part of a multigene family. They are found in most cellular compartments of eukaryotes including nuclei, mitochondria, chloroplasts, the endoplasmic reticulum and the cytosol, as well as in bacteria. The genes show a high degree of conservation, having at least 50% identity. The structure of this ATP binding domain displays multiple features of nucleotide binding proteins. The molecular chaperones of the hsp70 family recognize and bind to nascent polypeptide chains as well as partially folded intermediates of proteins preventing their aggregation and misfolding.
Purity	Protein G-Sepharose affinity purified.
Storage buffer	Preservative: 0.02% Sodium Azide and 50% glycerol, 1%BSA, PBS, pH7.4.
Form	Liquid
Storage instructions	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.



HSP70 antibody (E220046) at 1/500 dilution. Lane1:K562 whole cell lysate 40ug/Lane. Lane2:Hela whole cell lysate 40ug/Lane. Predicted band size: 70KDa. Observed band size: 70KDa.

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