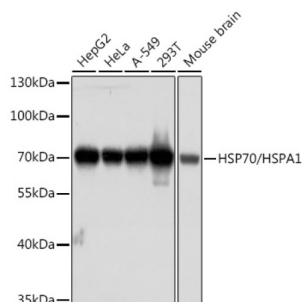


Heat Shock Protein 70 (HSP70) Antibody

Catalogue No.: abx000067



Western blot analysis of various lysates using HSP70/HSPA1 Mouse antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 60s.

HSP70 Antibody is a Mouse Monoclonal antibody against HSP70. 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.

Target: Heat Shock Protein 70 (HSP70)

Clonality: Monoclonal

Reactivity: Human, Mouse

Tested Applications: ELISA, WB

Host: Mouse

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/2000 - 1/5000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A synthetic peptide of human HSP70/HSPA1

Isotype: IgM Kappa

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P08107 ([UniProt](#), [ExPASy](#))

Datasheet

Version: 5.0.0

Revision date: 29 May 2025



Gene Symbol: HSPA1A

GeneID: [3303](#)

Molecular Weight: Calculated MW: 70 kDa
Observed MW: 70 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only