

#M20032

HSP90 mAb

- 50 µl
- 100 µl
- 200 µl



Orders ■ 400-6123-828

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DESCRIPTION

Heat shock protein 90 (Hsp90) is one of the most common of the heat-related proteins. The "90" comes from the fact that it weighs roughly 90 kiloDaltons. Hsp90 is a chaperone protein that assists other proteins to fold properly, stabilizes proteins against heat stress, and aids in protein degradation. Heat shock proteins, as a class, are among the most highly expressed cellular proteins across all species. As their name implies, heat shock proteins protect cells when stressed by elevated temperatures. They account for 1–2% of total protein in unstressed cells. However, when cells are heated, the fraction of heat shock proteins increases to 4–6% of cellular proteins.

SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to HSP90 protein.

STORAGE

Store at -20°C, stable for one year from the date of shipment.

ALIASES

HSP90

NCBI

NP_001275844

REACTIVITY

Oryza sativa, Arabidopsis thaliana, Bombyx mori, 293T cell

ISOTYPE

Mouse IgG

PREDICTED MOLECULAR WEIGHT

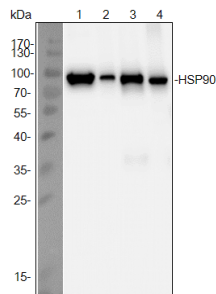
81 KDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting 1:1000-1:5000

***For Western blots, incubate memAbrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

APPLICATION DATA



Lane1. 293T cell lysate
Lane2. Bombyx mori lysate
Lane3. Arabidopsis thaliana lysate
Lane4. Oryza sativa lysate

Lysates/proteins at 20 µg per lane.

Secondary

Goat Anti-Mouse IgG-HRP, 5% skim milk conjugated at 1/10000 dilution

Predicted band size : 81 KDa

Observed band size : 81 KDa

Blocking/Dilution buffer : 1× PBS.

COMPANION PRODUCTS

#M21001 Goat Anti-Mouse IgG-HRP

#M51022 Coatamer subunit beta-1 isoform X2 Mouse mAb for Tangerine

#M51030 Carbonic anhydrase 2-like isoform X1 Mouse mAb for Tangerine

#M51034 Glyceraldehyde-3-phosphate dehydrogenase GAPC1, cytosolic

isoform X1 Mouse mAb for Tangerine

#M51038 ATP synthase CF1 beta subunit Mouse mAb for Tangerine

#M51040 Probable pyridoxal 5'-phosphate synthase subunit PDX1 Mouse mAb for Tangerine

#M51043 Elongation factor 1-alpha Mouse mAb for Tangerine

#M51047 3-oxoacyl-[acyl-carrier-protein] reductase FabG-like Mouse mAb for Tangerine

#M51048 Probable glutathione S-transferase Mouse mAb for Tangerine

#M51052 Luminal-binding protein 5 Mouse mAb for Tangerine

#M51053 Phospholipase D alpha isoform X1 Mouse mAb for Tangerine

#M51054 UTP-glucose-1-phosphate uridylyltransferase isoform X1 Mouse mAb for Tangerine

Applications Key: WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.