HSP40/Hdj1 monoclonal antibody (2E1)

Hsp40/Hdj1 is a cytosolic co-chaperone belonging to the class DnaJ, named after its homolog in *E. coli*. Hsp40 functions in protein folding by binding nascent peptides and unfolded substrates and facilitating substrate interaction with Hsp70. Binding of Hsp40 to Hsp70 increases Hsp70 ATP hydrolysis and substrate binding, which is reversed by the action of nucleotide exchange factors (GrpE in *E. coli*). Repeated cycles of Hsp40/Hsp70 peptide binding and ATP hydrolysis prevent premature folding and aggregation, promoting protein maturation throughout the cell.

This antibody is covered by our Worry-Free Guarantee.

Citations: 6 View Online »

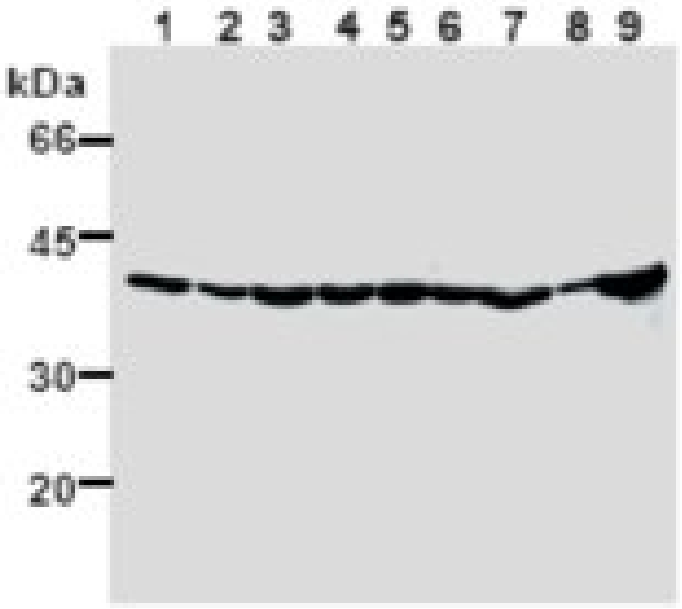
Ordering Information

Order Online »

ADI-SPA-450-E	100µg

Manuals, SDS & CofA

View Online »



Western blot analysis of Jurkat (1), Raji (2), HeLa (3), MRC-5 (4), ZR-75-1 (5), NIH/3T3 (6), WR19L (7), P19 (8) and PC12 (9) using HSP40 (Hdj1), mAb (2E1).

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Heat shock protein 40
Application	IP, WB
Application Notes	Detects a band of ~40kDa by Western blot.
Clone	2E1
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol.
GenBank ID	D49547
Host	Mouse
Immunogen	Recombinant human Hsp40 (Hdj1).
Isotype	IgG2a
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Immunoprecipitation (2-5µg/200µl from 5x106cells)Western Blot (1-2µg/ml, ECL)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human, Mouse, Rat
UniProt ID	P25685
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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