

# AB-NN057-2

## HSP40, Hdj1 Antibody

Pan-specific monoclonal antibody (3B9.E6) for monitoring the expression of human heat shock protein HSP40, Hdj1



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	DnaJ homolog subfamily B member 1 (HSP40, Hdj1)
<b>Alias:</b>	DNAJ1, NDAJB1, HDJ1, HSP40, HSPF1, DnaJ homologue subfamily B member 1, Dna J protein homologue 1, Heat shock 40 kDa protein 1, HSP40, heat shock protein 40, Human DnaJ protein 1, hDj-1
<b>UniProt ID:</b>	P25685 - Human
<b>Human Predicted Mass (KDa):</b>	38.044 (340 AA; P25685-1); 27.016 (240 AA; P25685-2)
<b>Observed SDS-PAGE Mass (KDa):</b>	40

### Immunogen

<b>Antibody Immunogen Source:</b>	Recombinant protein HSP40 (Hdj1)
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	120 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4 pH7.2, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   ICC/IF   IP   ELISA
<b>Antibody Dilution Recommended:</b>	WB (1:2000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	0.5 µg/ml of SMC-145 was sufficient for detection of HSP40 (HDJ1) in 15 µg of HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~40 kDa protein.
<b>Antibody Specificity:</b>	Very high
<b>Antibody Cross Reactivities:</b>	Does not cross-react with HDJ2 or YDJ1.

This product is for in vitro research use only and is not intended for use in humans or animals.

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