

42-1325: Anti-HSP40, YDJ1 Monoclonal Antibody (Clone : 1G10.H8)

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| Clonality : | Monoclonal |
| Clone Name : | 1G10.H8 |
| Application : | IP,ELISA,WB |
| Reactivity : | Yeast |
| Conjugate : | Unconjugated |
| Gene : | YDJ1 |
| Gene ID : | 855661 |
| Uniprot ID : | P25491 |
| Alternative Name : | YDJ1,MAS5,YNL064C,N2418,YNL2418C |
| Isotype : | Mouse IgG1 Kappa |
| Immunogen Information : | Full length protein yeast HSP40 (YDJ1) |

Description

Human HSP40/DnaJ proteins comprise a large protein family, members of which feature the J domain (named after the bacterial DnaJ protein). The J-domain spans the first 75 N-terminal amino acids and is separated from the C-terminal by a glycine/phenylalanine-rich domain. There are two main types of HSP40; type I DNAJ proteins including HDJ2 and yeast Ydj1; type II includes yeast Sis1 and human Hdj1. Whereas type I possesses a zinc finger domain which helps in the function of protein folding, type II does not. Members of the HSP40/DnaJ family play diverse roles in many cellular processes, such as folding, translocation, degradation and assembly of multi-protein complexes. HSP40 stimulates the ATPase activity of HSP70 which in turn causes conformational changes of the unfolded proteins. The HSP40-HSP70-unfolded protein complex further binds to co-chaperones Hip, Hop and HSP90 which leads to protein folding, or components of protein degradation machinery CHIP and BAG-1.

Product Info

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| Amount : | 100 µg |
| Purification : | Protein G Purified |
| Content : | 50% glycerol, 0.09% sodium azide |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

WB (1:2000); optimal dilutions for assays should be determined by the user.

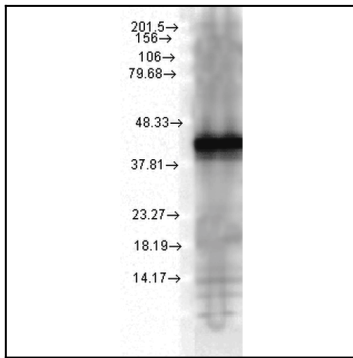


Figure1 : Mouse Anti-Hsp40 Antibody [1G10.H8] used in Western Blot (WB) on Yeast Cell lysates