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42-1442: Anti-HSP40, YDJ1 Monoclonal Antibody (Clone : 2A7.H6) Alkaline Phosphatase (Discontinued)

Clonality :	Monoclonal
Clone Name :	2A7.H6
Application :	IP,ELISA,WB
Reactivity :	Yeast
Gene :	YDJ1
Gene ID :	855661
Uniprot ID :	P25491
Alternative Name :	YDJ1,MAS5,YNL064C,N2418,YNL2418C
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	Full length protein 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. Members of the HSP40/DnaJ family play diverse roles in many cellular processes, such as folding, translocation, degradation and assembly of multi-protein complexes. In particular, Hdj1, the first human HSP40/DnaJ protein identified, plays an important role in protein translation and folding, as well as in the regulation of HSP70 function. 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. Some studies have shown that the difference between HDJ1 and type 1 DNAJ proteins including HDJ2 and yeast YdjI is the result of the possession of a zinc finger domain by the latter, which helps in the function of protein folding.

Product Info

Amount :	100 µg
Purification :	Protein G Purified
Content :	50% glycerol, 0.09% sodium azide
Storage condition :	Store the antibody at 4°C

Application Note

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

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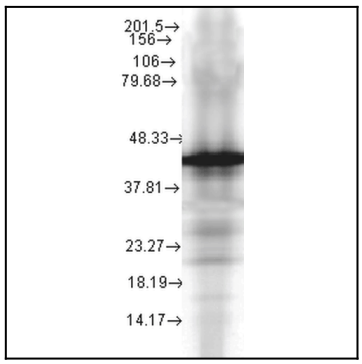


Figure1 : Mouse Anti-Hsp40 Antibody [2A7.H6] used in Western Blot (WB) on Yeast recombinant cell lysate

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