

32-5935: Mouse Anti Human Heat Shock Protein 105(Clone:PJ1G12AT.)

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| Clonality : | Monoclonal |
| Clone Name : | PJ1G12AT. |
| Application : | ELISA ,WB |
| Gene : | HSPH1 |
| Gene ID : | 10808 |
| Uniprot ID : | Q92598 |
| Format : | Purified |
| Alternative Name : | HSPH1,Heat Shock protein 105kDa,110kDa protein 1,Heat shock 110 kDa protein,HSP110,HSP105?,Antigen NY-CO-25,HSP105,HSP105A,HSP105B,KIAA0201,NY-CO-25,DKFZp686M05240. |
| Isotype : | Mouse IgG2b heavy chain and ? light chain. |
| Immunogen Information : | Anti-human HSPH1 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human HSPH1 amino acids 1-858 purified from E. coli. |

Description

HSPH1 analysis is used as an indicator and as a diagnostic aid in problematic lesions. HSPH1 chaperones the responses to endoplasmic reticulum (ER) stress during its interactions with GRP78 and GSK3, and without HSP105 cell death following ER stress proceeds by a non-caspase-3-dependent process. HSPH1 is highly expressed in a variety of human tumors. HSPH1 is a mammalian member of the HSP105/110 family, a diverged subgroup of the HSP70 family. HSP105 has 2 isoforms, alpha and beta. Hsp105a associates with Hsp70/Hsc70 as complexes in vivo and regulates the chaperone activity of Hsp70/Hsc70 negatively in vitro and in vivo.

Product Info

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| Amount : | 20 µg |
| Purification : | HSPH1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography. |
| Content : | 1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide. |
| Storage condition : | For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles. |

Application Note

HSPH1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 2,000. Recommended starting dilution is 1:1,000.