

AB-NN058-2

HSP47 Antibody

Pan-specific monoclonal antibody (1C4-1A6) for monitoring the expression of human heat shock protein HSP47



KINEXUS

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

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

| | |
|--------------------------------------|--|
| Name Long: | Serpin H1 |
| Alias: | SerpinH1, Colligin, Gp46, serine proteinase inhibitor, cysteine proteinase inhibitor, collagen binding protein |
| UniProt ID: | P50454.2 - Human |
| Human Predicted Mass (KDa): | 46.441 (418 AA; P50454-1) |
| Observed SDS-PAGE Mass (KDa): | 47 |

Immunogen

| | |
|-----------------------------------|--------------------------|
| Antibody Immunogen Source: | Human HSP47, full length |
|-----------------------------------|--------------------------|

Production

| | |
|--|---|
| Antibody Host Species: | Mouse |
| Antibody Type: | Monoclonal |
| Antibody Ig Isotype Clone Lot: | 122 IgG1Kappa |
| Antibody Purification: | Protein G purified |
| Amount: | 50 µg |
| Antibody Concentration: | 1 mg/ml |
| Lot Number: | 15DE1 |
| Storage Buffer: | Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide |
| Storage Conditions and Stability: | 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

| | |
|---|---|
| Product Use: | WB ICC/IF |
| Antibody Dilution Recommended: | WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user. |
| Antibody Species Reactivity: | Human |
| Antibody Positive Control: | 1 µg/ml of SMC-203 was sufficient for detection of HSP47 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti - mouse IgG:HRP as the secondary antibody. |
| Target Detection Immunoblotting: | Detects a ~47 kDa protein. |

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

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987