

42-1474: Anti-HSP47 Monoclonal Antibody (Clone : 1C4-1A6) - ATTO 594

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|--------------------------------|---|
| Clonality : | Monoclonal |
| Clone Name : | 1C4-1A6 |
| Application : | WB,ICC/IF |
| Reactivity : | Human |
| Conjugate : | ATTO 594 |
| Gene : | SERPINH1 |
| Gene ID : | 871 |
| Uniprot ID : | P50454 |
| Alternative Name : | SERPINH1,CBP1,CBP2,HSP47,SERPINH2,PIG14 |
| Isotype : | Mouse IgG1 Kappa |
| Immunogen Information : | Human HSP47, full length |

Description

HSP47 is a chaperone protein, member of the superfamily of serine proteinase inhibitors. Also known as SERPINH1, a serine proteinase inhibitor. It is a stress protein that resides in the endoplasmic reticulum, has an active role on the intracellular process of folding, assembly and secretion of pro-collagens. Recent studies have shown the association of an increased expression of HSP47 around fibrotic lesions. The identification of a novel biomarker on cell therapies aimed to reduce the progression of fibrotic diseases, could be used potentially as a universal marker, since HSP47 binds a single substrate. Type I collagen is fundamental during the healing process after a myocardial infarction. It is critical in the position of collagen-produced cells and the assembly of collagen fibrils.

Product Info

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|----------------------------|---|
| Amount : | 200 µg |
| Purification : | Protein G Purified |
| Content : | PBS pH7.4, 50% glycerol, 0.09% sodium azide |
| Storage condition : | Store the antibody at 4°C |

Application Note

WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

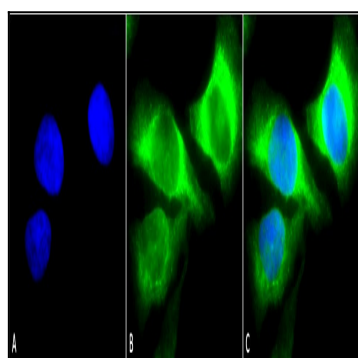


Figure1 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Immunocytochemistry/Immunofluorescence (ICC/IF) on Human Heat Shocked HeLa Cells

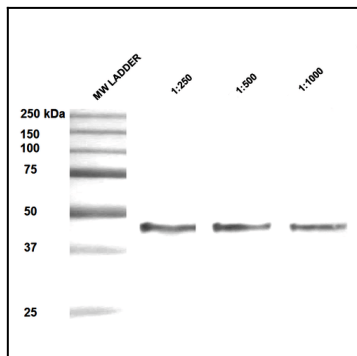


Figure 2 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Western Blot (WB) on Human Epithelial cell (A431) lysates

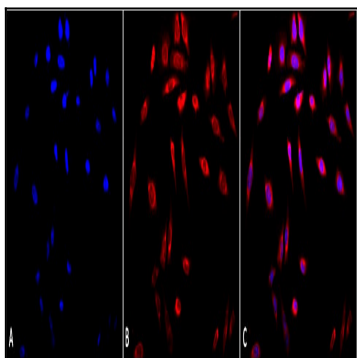


Figure 3 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Immunocytochemistry/Immunofluorescence (ICC/IF) on Human Heat Shocked HeLa Cells