

CoraLite® Plus 488-conjugated HSP90 Monoclonal antibody

Catalog Number: **CL488-60318****1 Publications**

Basic Information

Catalog Number:

CL488-60318

Size:

2000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG3826

GenBank Accession Number:

BC023006

GeneID (NCBI):

3320

UNIPROT ID:

P07900

Full Name:heat shock protein 90kDa alpha
(cytosolic), class A member 1**Calculated MW:**

853 aa, 90 kDa

Observed MW:

85-90 kDa

Purification Method:

Protein A purification

CloneNo.:

3F11C1

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Cited Applications:

FC

Species Specificity:

human, mouse, rat, pig

Cited Species:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

HSP90, encoded by HSP90AA1, is a constitutively and ubiquitously expressed molecular chaperone that is crucial for the stability and function of many proteins. HSP90 provides chaperoning activity for client proteins; many of them are members of oncogenic pathways, indicating its implication in tumor malignancy. HSP90 mainly resides in the cytosol, while it can also be released to the extracellular space. Secreted Hsp90 is a C-terminal truncated form. It has been reported that the level of plasma Hsp90 is positively correlated with tumor malignancy in clinical cancer patients, and can be a promising diagnostic marker for tumor malignancy in clinical application.

Notable Publications

Author	Pubmed ID	Journal	Application
Bin Yan	35775939	J Mater Chem B	FC

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

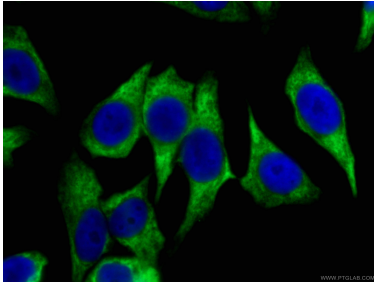
For technical support and original validation data for this product please contact:

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL488-60318 (HSP90 antibody) at dilution of 1:100.