

For Research Use Only

CoraLite® Plus 488-conjugated HSPH1 Monoclonal antibody

Catalog Number: CL488-66723



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-66723	BC037553	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	10808	3H5A5
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	Q92598	IF/ICC 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG1	heat shock 105kDa/110kDa protein 1	493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
AG27521	858 aa, 97 kDa	
	Observed MW:	
	110 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HeLa cells,
Species Specificity:	
Human	

Background Information

HSP105, also known as HSP110 or HSPH1, belongs to the heat shock protein (HSP) family. Human HSP105 is a high-molecular-weight chaperone protein expressed at constitutively low levels as a cytoplasmic α -isoform and as an inducible nuclear β -isoform on exposure to various forms of stress. HSP105 is constitutively overexpressed in several solid tumors, including melanoma, breast, thyroid, and gastroenteric cancers, and exerts antiapoptotic functions. Recently HSP105 has been identified as a novel candidate biomarker of lymphoma aggressiveness. Western blot analysis using this antibody detected the phosphorylated protein around 110 kDa in various lysates.

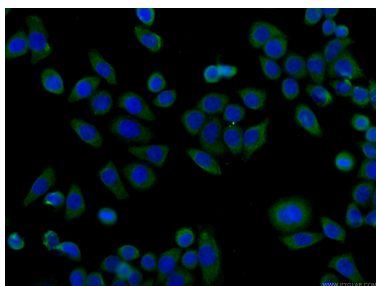
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL488-66723 (HSPH1 antibody) at dilution of 1:100.