For Research Use Only

# HSPH1 Polyclonal antibody, PBS Only

Catalog Number:13383-1-PBS

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## Basic Information

Catalog Number:
13383-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4224

GenBank Accession Number:
BC037553

GeneID (NCBI):
10808

UNIPROT ID:
Q92598

Full Name:
heat shock 105kDa/110kDa protein 1

Calculated MW:
858 aa, 97 kDa

Observed MW:
110 kDa

Purification Method:
Antigen affinity purification

## Applications

Tested Applications:
WB, IHC, Indirect ELISA

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. This antibody recognizes both HSP105α and HSP105β isoforms. Western blot analysis using this antibody detected a major band around 100-110 kDa in Jurkat cells.

## Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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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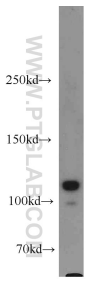
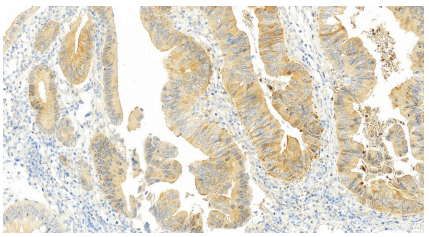
## Selected Validation Data




MCF7 cells were subjected to SDS PAGE followed by western blot with 13383-1-AP (HSPH1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13383-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13383-1-AP (HSPH1 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13383-1-PBS in a different storage buffer formulation.