

Recombinant ORP150/ORP150/HYOU1/HSP12A Monoclonal Antibody

catalog number: **AN300399P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

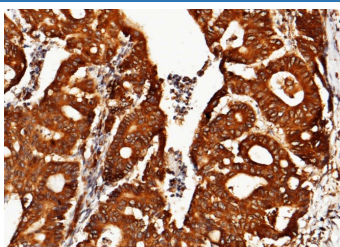
Description

Reactivity	Human
Immunogen	Recombinant Human ORP150/HYOU1/HSP12A protein
Host	Rabbit
Isotype	IgG
Clone	9D5
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

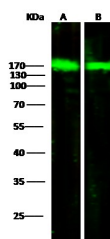
Applications Recommended Dilution

WB	1:500-1:2000
IHC-P	1:100-1:500
ICC/IF	1:20-1:100
IP	1-4 µL/mg of lysate

Data

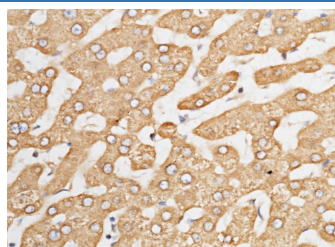


Immunohistochemistry of paraffin-embedded human colon carcinoma using ORP150/ORP150/HYOU1/HSP12A Monoclonal Antibody at dilution of 1:200. Positive staining was localized to colonic gland.

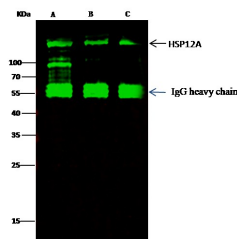


Western Blot with HSP12A Monoclonal Antibody at dilution of 1:500 dilution. Lane A: 293T Whole Cell Lysate, Lane B: Hela Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:170 kDa
Calculated-MW:111 kDa



Immunohistochemistry of paraffin-embedded human cirrhosis using ORP150/ORP150/HYOU1/HSP12A Monoclonal Antibody at dilution of 1:200. Positive staining was localized to hepatocyte.



Immunoprecipitation analysis using 2 µL anti-HSP12A Monoclonal Antibody and 15 µl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using HSP12A Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg MCF-7 Whole Cell Lysate, Lane B:0.5 mg 293T Whole Cell Lysate, Lane C:0.5 mg Hela Whole Cell Lysate

Observed-MW:170 kDa
Calculated-MW:111 kDa

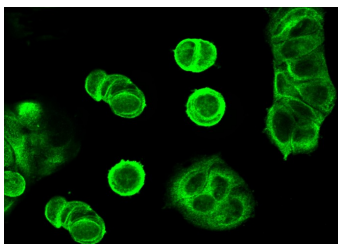
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Rev. V1.0



Immunofluorescence analysis of ORP150 in MCF7 cells.

Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human ORP150 monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

The protein encoded by this gene belongs to the heat shock protein 70 family. This gene uses alternative transcription start sites. A cis-acting segment found in the 5' UTR is involved in stress-dependent induction, resulting in the accumulation of this protein in the endoplasmic reticulum (ER) under hypoxic conditions. The protein encoded by this gene is thought to play an important role in protein folding and secretion in the ER. Since suppression of the protein is associated with accelerated apoptosis, it is also suggested to have an important cytoprotective role in hypoxia-induced cellular perturbation. This protein has been shown to be up-regulated in tumors, especially in breast tumors, and thus it is associated with tumor invasiveness. This gene also has an alternative translation initiation site, resulting in a protein that lacks the N-terminal signal peptide. This signal peptide-lacking protein, which is only 3 amino acids shorter than the mature protein in the ER, is thought to have a housekeeping function in the cytosol. In rat, this protein localizes to both the ER by a carboxy-terminal peptide sequence and to mitochondria by an amino-terminal targeting signal. Alternative splicing results in multiple transcript variants.

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