# HSP-60 Polyclonal Antibody

**catalog number:** **AN005850L**

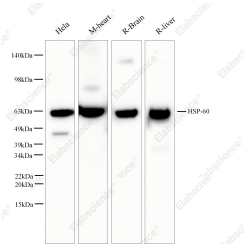
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant Human HSP-60 protein expressed by E.coli |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Purification** | Antigen Affinity Purification |
| **Buffer** | PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4 |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:1000-1:2000 |
| **IHC** | 1:400-1:800 |
| **IF** | 1:200-1:400 |

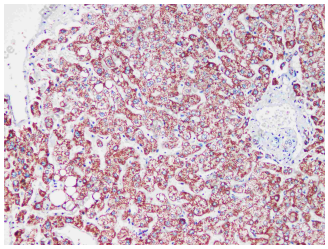
## Data



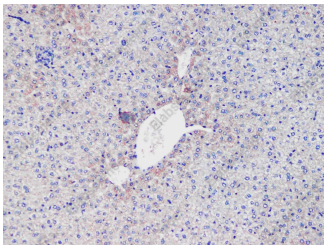

Western blot with Anti HSP-60 Polyclonal antibody at dilution of 1:1000. Lane 1:HeLa cell lysate,Lane 2:Mouse heart tissue lysate, Lane 3:Rat brain tissue lysate,Lane 4:Rat liver tissue lysate.

**Observed-MW:60 kDa**

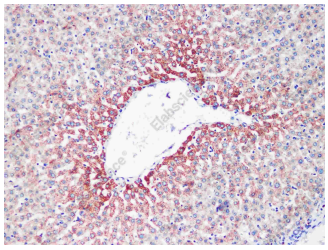
**Calculated-MW:61 kDa**



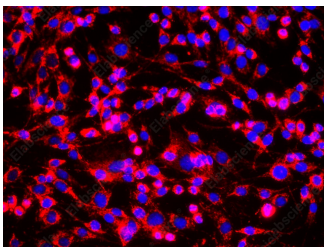
Immunohistochemistry of paraffin-embedded Human liver using HSP60 Polyclonal Antibody at dilution of 1:500.

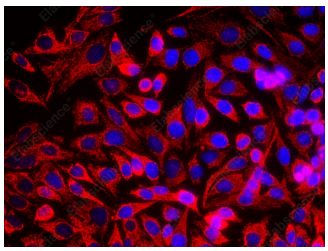


Immunohistochemistry of paraffin-embedded Mouse liver using HSP60 Polyclonal Antibody at dilution of 1:500.

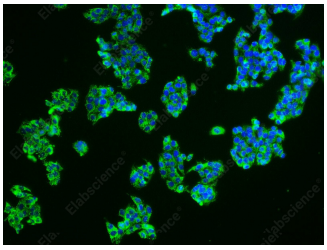


Immunohistochemistry of paraffin-embedded Rat liver using HSP60 Polyclonal Antibody at dilution of 1:500.



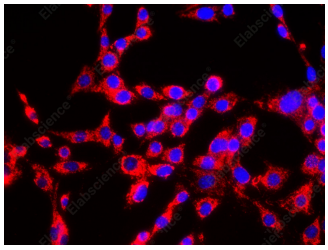


Immunofluorescence analysis of C6 cells using HSP60 Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of HepG2 cells using HSP60 Polyclonal Antibody at dilution of 1:200.

Immunofluorescence analysis of HeLa cells using HSP60 Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of NIH/3T3 cells using HSP60 Polyclonal Antibody at dilution of 1:200.

## Preparation & Storage

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|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

## Background

Heat shock proteins (HSPs) are a family of highly conserved stress response proteins. Heat shock proteins function primarily as molecular chaperones by facilitating the folding of other cellular proteins, preventing protein aggregation or targeting improperly folded proteins to specific degradative pathways. HSPs are typically expressed at low levels under normal physiological conditions but are dramatically upregulated in response to cellular stress. Heat Shock Protein 60 (HSP60), also known as Chaperonin 60 (CPN60), is a mitochondrial matrix protein belonging to a highly conserved family of molecular chaperone and stress response proteins. HSP60 plays a role in stabilizing and refolding proteins in response to heat-shock or other cellular stress. Full length human HSP60 is 98% identical to mouse and rat HSP60.