

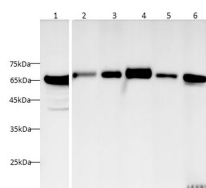
## HSP-60 Polyclonal Antibody

catalog number: AN005850L

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

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human HSP-60 protein expressed by E.coli
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
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

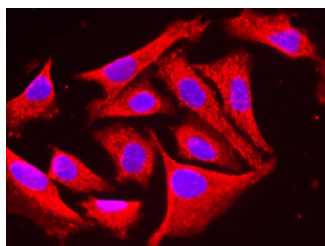
### Data



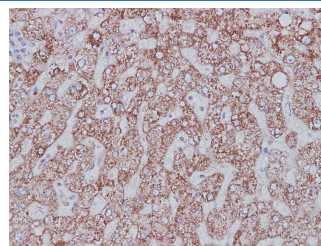
Western blot with Anti HSP-60 Polyclonal antibody at dilution of 1:1000. Lane 1: HeLa cell lysate, Lane 2: Mouse heart cell lysate, Lane 3: Rat brain tissue lysate, Lane 4: Rat heart tissue lysate, Lane 5: Rat spleen cell lysate, Lane 6: Rat liver tissue lysate.

**Observed-MW:60 kDa**

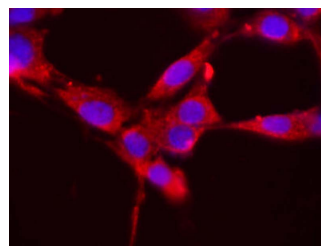
**Calculated-MW:61 kDa**



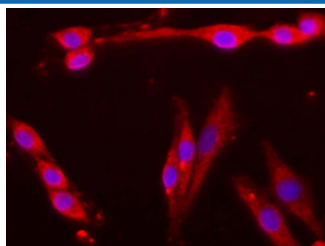
Immunofluorescence analysis of HeLa cells using HSP60 Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human liver using HSP60 Polyclonal Antibody at dilution of 1:1800.



Immunofluorescence analysis of NIH/3T3 cells using HSP60 Polyclonal Antibody at dilution of 1:100.



Immunofluorescence analysis of C6 cells using HSP60  
Polyclonal Antibody at dilution of 1:100.

## Preparation & Storage

### 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.