

HSP 90 β

Cat.No. 380 103; Polyclonal rabbit antibody, 50 μ g specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 μ g specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 μ l H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 500 IHC: 1 : 500 IHC-P/FFPE: 1 : 500
Immunogen	Synthetic peptide corresponding to AA 639 to 709 from human HSP90 β (UniProt Id: P08238)
Reactivity	Reacts with: human (P08238), rat (P82995), mouse (P11499). Other species not tested yet.
Specificity	Specific for HSP 90 β . (K.D. verified)
matching control	380-1P

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Heat shock proteins 90 (HSP 90) are molecular chaperones. Two isoforms (α and β) have been described so far. They promote the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. They undergo a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. HSP 90s interact dynamically with various co-chaperones that modulate their substrate recognition, ATPase cycle and chaperone function.

Selected General References

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