

HSP90 β (phospho Ser226) rabbit pAb**Cat#: orb768667 (Manual)**

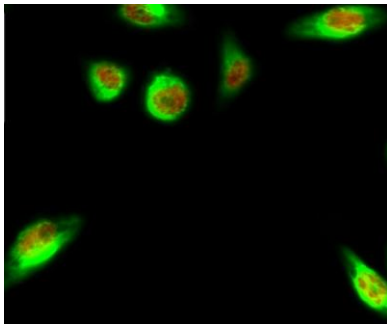
For research use only. Not intended for diagnostic use.

Product Name	HSP90 β (phospho Ser226) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HSP90B around the phosphorylation site of Ser226. AA range:201-250
Specificity	Phospho-HSP90 β (S226) Polyclonal Antibody detects endogenous levels of HSP90 β protein only when phosphorylated at S226.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Heat shock protein HSP 90-beta
Gene Name	HSP90AB1
Cellular localization	Cytoplasm . Melanosome . Nucleus . Secreted . Cell membrane . Dynein axonemal particle . Cell surface . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Translocates with BIRC2 from the nucleus to the cytoplasm during differentiation (PubMed:18239673). Secreted when associated with TGFB1 processed form (LAP) (PubMed:20599762). .

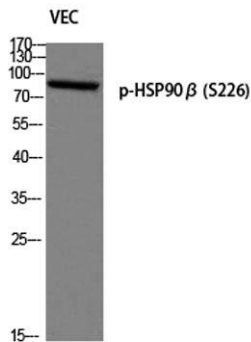
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	83kD
Human Gene ID	3326
Human Swiss-Prot Number	P08238
Alternative Names	HSP90AB1; HSP90B; HSPC2; HSPCB; Heat shock protein HSP 90-beta; HSP 90; Heat shock 84 kDa; HSP 84; HSP84

Background

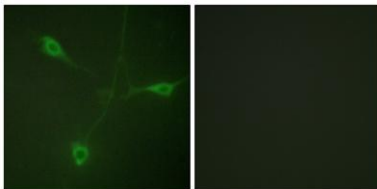
This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012],



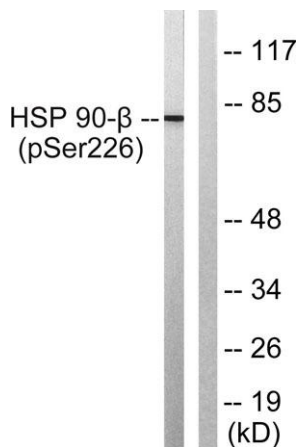
Immunofluorescence analysis of HeLa cell. 1, HSP90 β (phospho Ser226) Polyclonal Antibody (red) was diluted at 1:200 (4 $^{\circ}$ overnight). CK7 Monoclonal Antibody (12D7) (green) was diluted at 1:200 (4 $^{\circ}$ overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000 (room temperature, 50min).



Western blot analysis of VEC using p-HSP90β (S226) antibody.



Immunofluorescence analysis of NIH/3T3 cells, using HSP90B (Phospho-Ser226) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from A549 cells treated with serum 20% 15', using HSP90B (Phospho-Ser226) Antibody. The lane on the right is blocked with the phospho peptide.