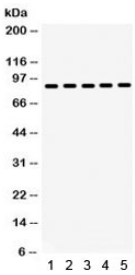
HSP90 beta Antibody / HSP90AB1 (R31913)

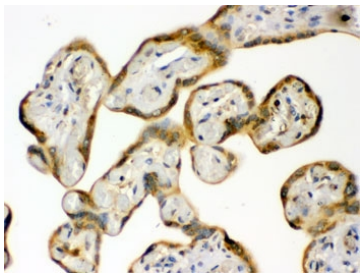
Catalog No.	Formulation	Size
R31913	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

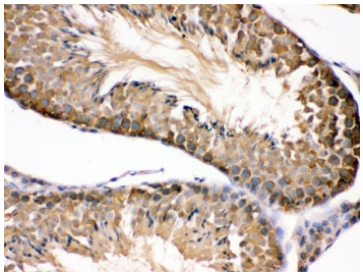
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P08238
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml Immunofluorescence : 2-4ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunofluorescence/Immunocytochemistry (FFPE) : 2-4ug/ml
Limitations	This HSP90 beta antibody is available for research use only.



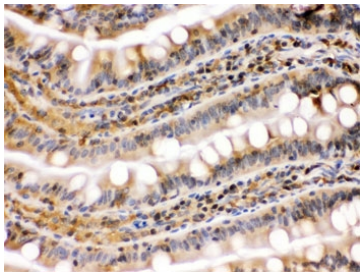
Western blot testing of 1) rat testis, 2) rat thymus, 3) human placenta, 4) SW620 and 5) HeLa lysate with HSP90 beta antibody. Expected/observed molecular weight: 84-90 kDa.



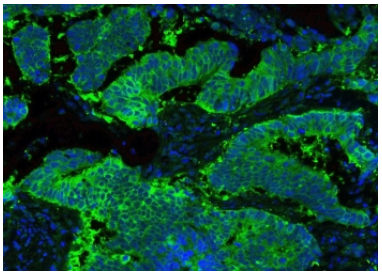
IHC testing of FFPE human placenta with HSP90 beta antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



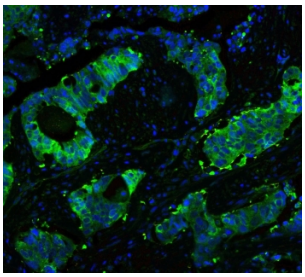
IHC testing of FFPE mouse testis with HSP90 beta antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat testis with HSP90 beta antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunofluorescent staining of human lung cancer with HSP90 beta antibody (green) at 2ug/ml and DAPI nuclear counterstain. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



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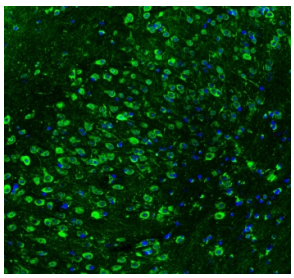
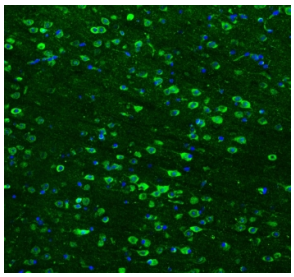
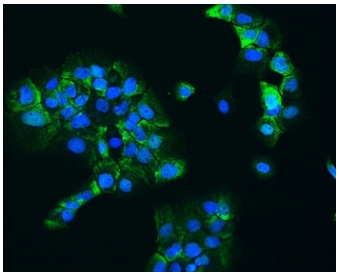


Immunofluorescent staining of mouse brain with HSP90 beta antibody (green) at 2ug/ml and DAPI nuclear counterstain. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunofluorescent staining of mouse brain with HSP90 beta antibody (green) at 2ug/ml and DAPI nuclear counterstain. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IF/ICC staining of FFPE human A431 cells with HSP90 beta antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

Heat shock protein HSP 90-beta, also called HSP90beta, is a protein that in humans is encoded by the HSP90AB1 gene. It is mapped to chromosome 6p21.1. 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. And this gene 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.

Application Notes

Optimal dilution of the HSP90 beta antibody should be determined by the researcher.

Immunogen

Amino acids RRLSELLRYHTSQSGDEMTSLSEYVSRMKETQK of human HSP90AB1 were used as the immunogen for the Hsp90 beta antibody.

Storage

After reconstitution, the HSP90 beta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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