

# IHC*easy* HSP47 Ready-To-Use IHC Kit

Catalog Number: **KHC1241**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Mouse Monoclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Mouse

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

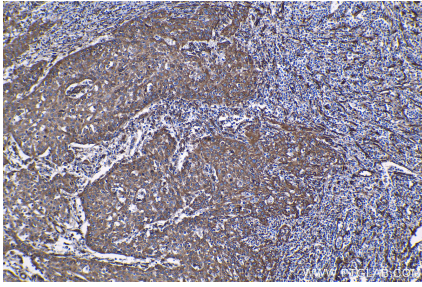
## Background

HSP47 is also named as Serpin H1, colligen, CBP1, CBP2, HSP47, SERPINH2 and belongs to the serpin family. This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The encoded protein is localized to the endoplasmic reticulum. It binds specifically to collagen and can be involved as a chaperone in the biosynthetic pathway of collagen. Autoantibodies to the encoded protein have been found in patients with rheumatoid arthritis.

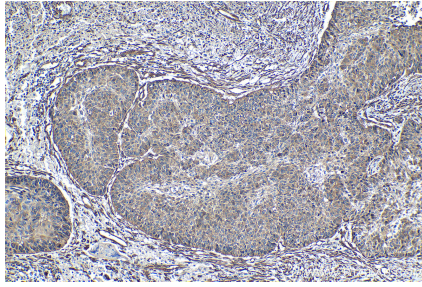
## Synonyms

47 kDa heat shock protein, AsTP3, CBP1, CBP2, Collagen binding protein, Colligin, gp46, HSP47, PIG14, PPRM, RA A47, Serpin H1, SERPINH1, SERPINH2

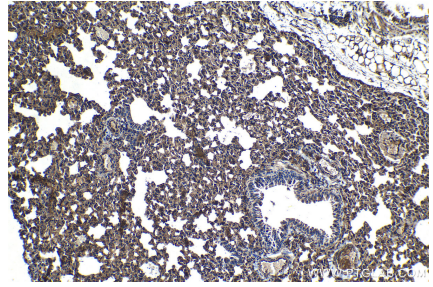
## Selected Validation Data



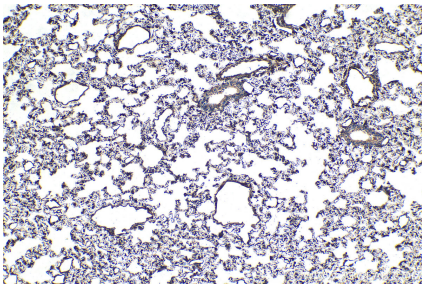
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC1241 (HSP47 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1241 (HSP47 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC1241 (HSP47 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC1241 (HSP47 IHC Kit).