

# IHC*easy* S100A12 Ready-To-Use IHC Kit

Catalog Number: **KHC0581**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Rabbit Polyclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Rabbit

## 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.

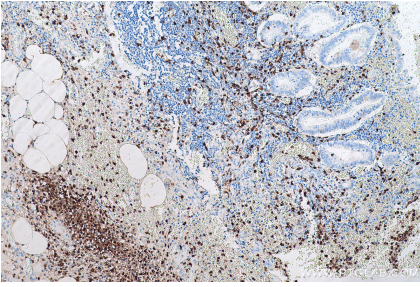
## Background

S100A12 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. S100A12 is expressed abundantly in granulocytes, and has been implicated to play an important role on inflammatory reactions in various disease states.

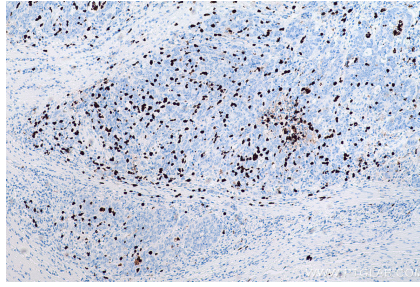
## Synonyms

CAAF1, CAGC, Calgranulin C, CGRP, EN RAGE, ENRAGE, MRP6, Neutrophil S100 protein, p6, Protein S100 A12, S100A12

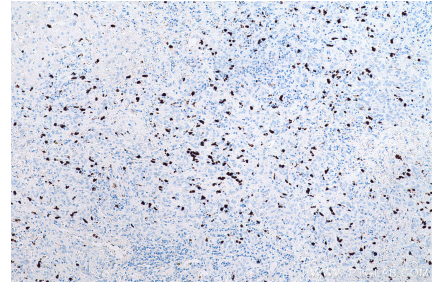
## Selected Validation Data



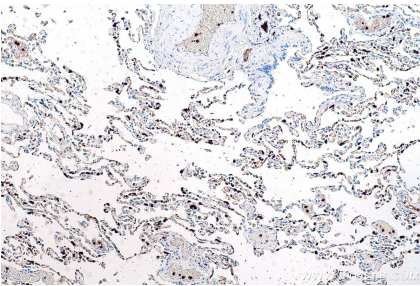
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using KHC0581 (S100A12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0581 (S100A12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0581 (S100A12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using KHC0581 (S100A12 IHC Kit).