

# IHC*easy* AIMP1 Ready-To-Use IHC Kit

Catalog Number: **KHC0845**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, Mouse, Rat  
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.

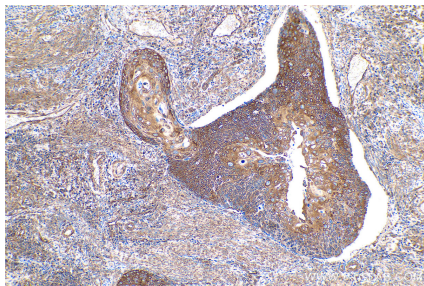
## Background

SCYE1 (small inducible cytokine subfamily E, member 1) is also named as EMAP2, AIMP1. SCYE1 is secreted as a result of various stimuli, including TNF- $\alpha$ , heat shock, and hypoxia, and that it acts as a multifunctional cytokine on both endothelial and immune cells. Defects in AIMP1 are the cause of leukodystrophy hypomyelinating type 3 (HLD3). It has 2 isoforms produced by alternative splicing and the protein can exist as a dimer.

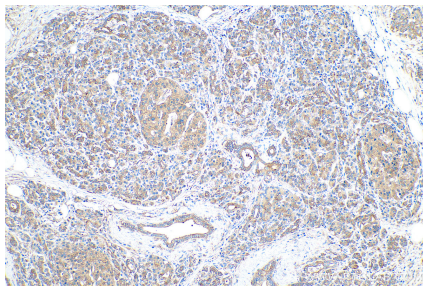
## Synonyms

AIMP1, EMAP 2, EMAP II, EMAP2, EMAPII, p43, SCYE1

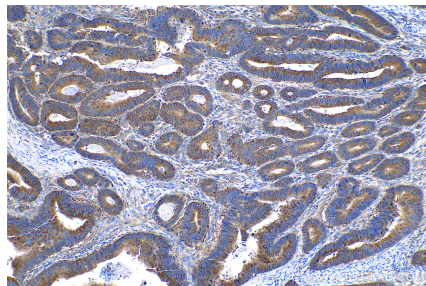
## Selected Validation Data



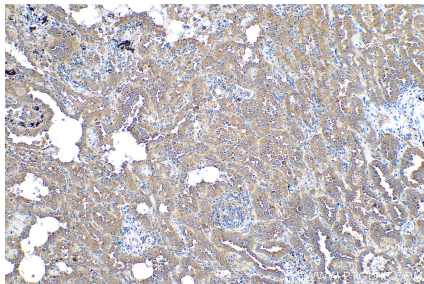
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC0845 (AIMP1 IHC Kit).



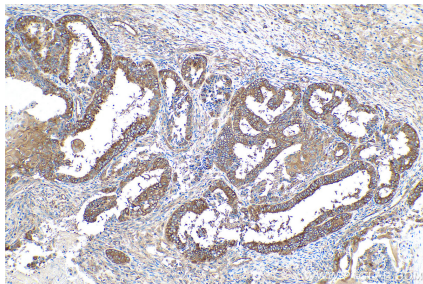
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0845 (AIMP1 IHC Kit).



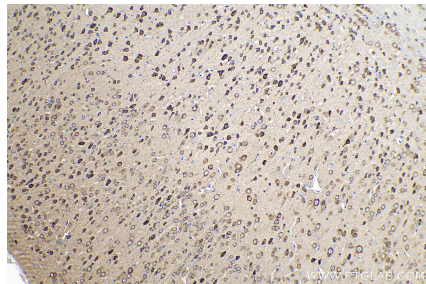
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0845 (AIMP1 IHC Kit).



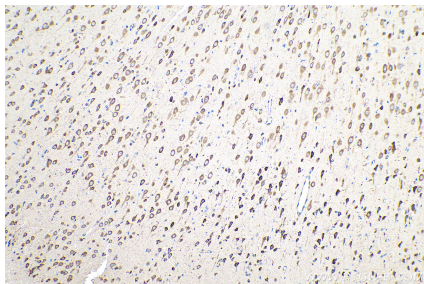
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0845 (AIMP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0845 (AIMP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC0845 (AIMP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0845 (AIMP1 IHC Kit).