

# IHCeasy<sup>®</sup> STEAP4 Ready-To-Use IHC Kit

Catalog Number: **KHC3267**

## General Information

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

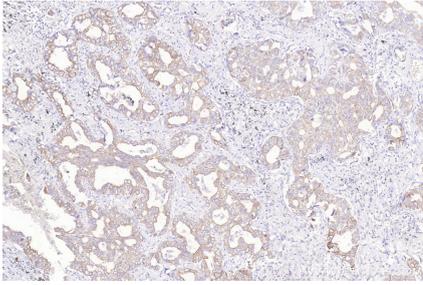
## Background

STEAP4 (also called STAMP2), is a member of the STEAP family. Structurally, It is a 459 amino acid protein characterized by a molecular topology of six transmembrane domains. The cytoplasmic N-terminal domain of STEAP4 shows structural similarity with bacterial and archaeal FNO oxidoreductase and STEAP4 exhibits a strong iron reductase activity. Studies in mice and human suggest that STEAP4 maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression.

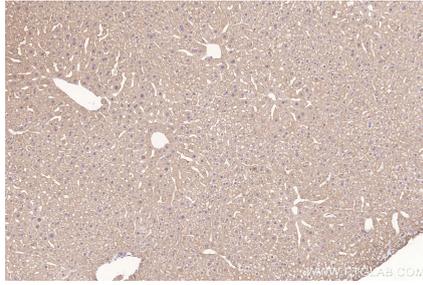
## Synonyms

EC:1.16.1.-, Metalloreductase STEAP4, Six-transmembrane epithelial antigen of prostate 4, STAMP2, STEAP family member 4

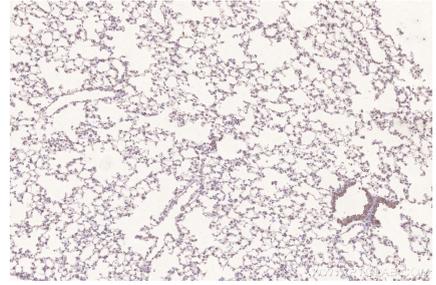
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC3267 (STEAP4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC3267 (STEAP4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC3267 (STEAP4 IHC Kit).