



IHCeasy® NFS1 Ready-To-Use IHC Kit

Catalog Number: KHC3085

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.

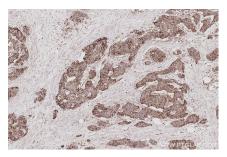
Background

NFS1(nitrogen fixation 1 homolog) is also named as NIFS, HUSSY-08 and belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. The protein has been identified as a pyridoxal phosphate-containing homodimer that catalyzes the formation of equimolar amounts of elemental sulfur and L-alanine from the substrate, L-cysteine. It is reported that NFS1 is also able to catalyze the removal of selenium from selenocysteine, a mechanism similar to the L-cysteine reaction was postulated.

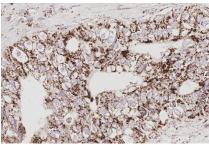
Synonyms

Cysteine desulfurase, EC:2.8.1.7, HUSSY 08, HUSSY-08, IscS

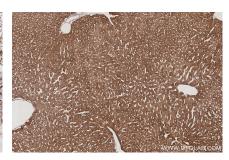
Selected Validation Data



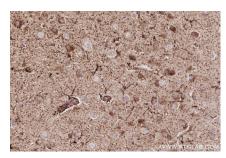
Immunohistochemical analysis of paraffinembedded human stomach cancer tissue slide using KHC3085 (NFS1 IHC Kit).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using KHC3085 (NFS1 IHC Kit).



Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using KHC3085 (NFS1 IHC Kit).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using KHC3085 (NFS1 IHC Kit).



Immunohistochemical analysis of paraffinembedded rat liver tissue slide using KHC3085 (NFS1 IHC Kit).



Immunohistochemical analysis of paraffinembedded rat brain tissue slide using KHC3085 (NFS1 IHC Kit).