

# IHC*easy* NUFIP1 Ready-To-Use IHC Kit

Catalog Number: **KHC1984**

## 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.

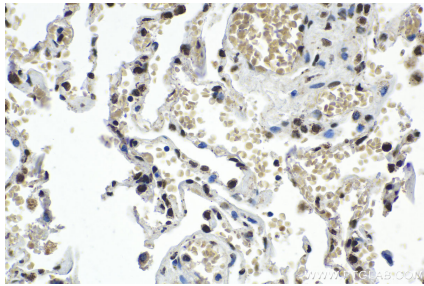
## Background

Fragile X syndrome, the most common cause of inherited mental retardation, is caused by the absence of FMRP (Fragile X Mental Retardation Protein). FMRP is an RNA binding protein reported to be involved in translational control, notably at postsynaptic sites of protein synthesis as a part of a multiprotein/mRNA complex. NUFIP1 is one of the several FMRP-interacting proteins. NUFIP can act as a pol II-specific basal transcriptional activator in vitro and when ectopically overexpressed in vivo. NUFIP can directly activate promoters by enhancing the ATP-dependent release of hyperphosphorylated form of pol II from open transcription complexes.

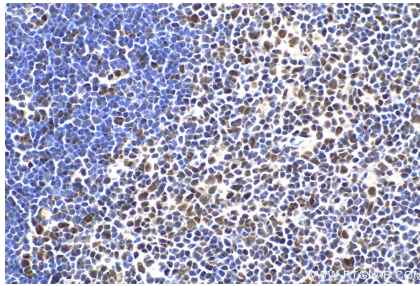
## Synonyms

NUFIP, Nuclear FMRP-interacting protein 1, FMR1-interacting protein NUFIP1

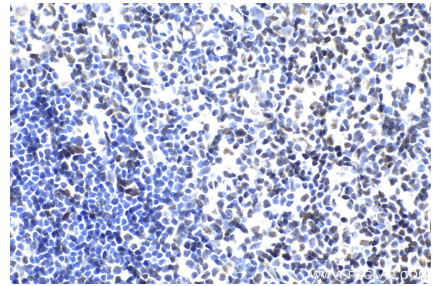
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using KHC1984 (NUFIP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using KHC1984 (NUFIP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat thymus tissue slide using KHC1984 (NUFIP1 IHC Kit).