

# IHC*easy* NFAT5 Ready-To-Use IHC Kit

Catalog Number: **KHC1488**

## General Information

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

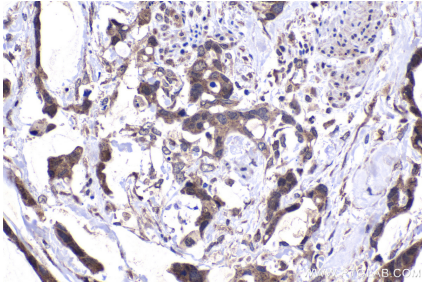
## Background

NFAT5 (Nuclear factor of activated T-cells 5) is the member of the Rel family of transcription factors, including NF- $\kappa$ B and NFAT1-4, which plays central roles in inducible gene expression during the immune response. NFAT5 also acts as a novel regulator of mammalian anti-pathogen responses, regulating TLR-induced gene expression in primary macrophages induced by Toll-like receptors. NFAT5 is involved in the transcriptional regulation of osmoprotective and inflammatory genes.

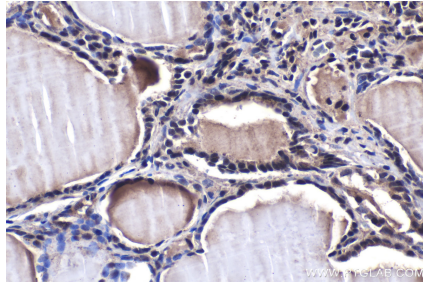
## Synonyms

KIAA0827, NFAT5, NFAT5, NFATL1, NFATZ, OREBP, TonE binding protein, TONEBP

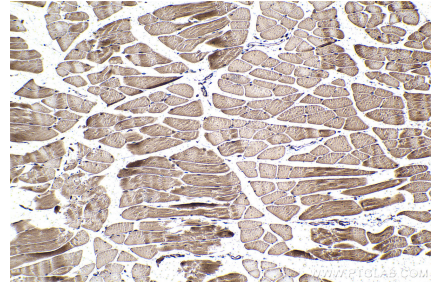
## Selected Validation Data



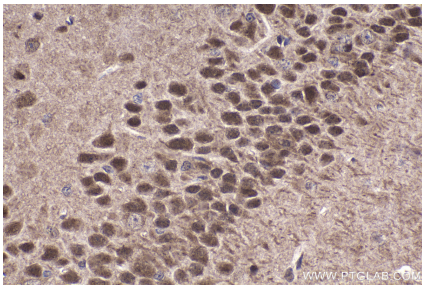
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC1488 (NFAT5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC1488 (NFAT5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC1488 (NFAT5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1488 (NFAT5 IHC Kit).