

# IHC*easy* ZFP36 Ready-To-Use IHC Kit

Catalog Number: **KHC1567**

## 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.

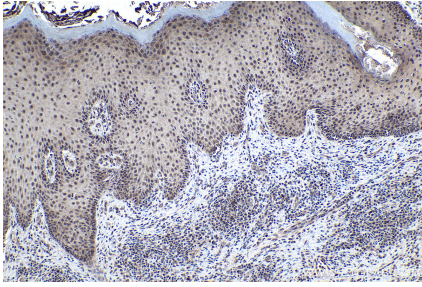
## Background

The expression of many cytokines is regulated post-transcriptionally by factors that modulate mRNA transport, translation, and stability. Much of this regulation occurs by the binding and stabilizing, or destabilizing, of cytokine mRNAs by proteins that recognize adenosine and uridine-rich elements (AREs) in untranslated regions of target transcripts. Zfp36 is a mRNA-binding protein involved in post-transcriptional regulation of AU-rich element (ARE)-containing mRNAs. It was demonstrated to physically interact with the p65 subunit of nuclear factor- $\kappa$ B leading to decreased nuclear import and diminished transcriptional activation mediated by nuclear factor- $\kappa$ B. It acted by specifically binding ARE-containing mRNAs and promoting their degradation, and has a crucial role in the post-transcriptional regulation of tumor necrosis factor (TNF).

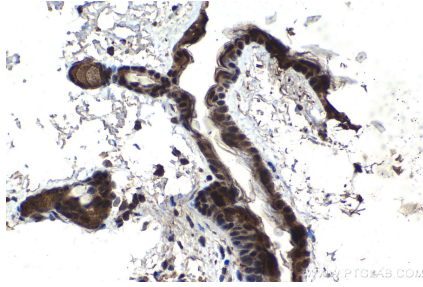
## Synonyms

GOS24, GOS24, NUP475, Protein TIS11A, RNF162A, TIS11, TIS11A, Tristetraproline, TTP, Zfp 36, ZFP36, Zinc finger protein 36 homolog

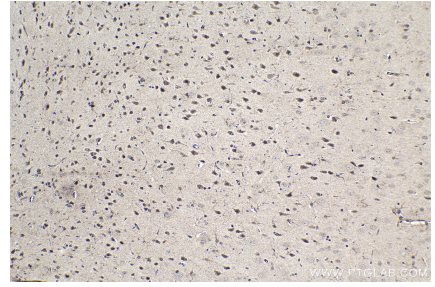
## Selected Validation Data



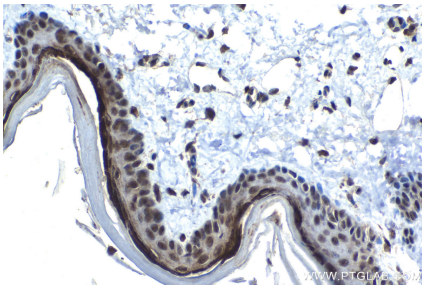
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using KHC1567 (ZFP36 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using KHC1567 (ZFP36 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC1567 (ZFP36 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using KHC1567 (ZFP36 IHC Kit).