

## Anti-UPF1 Antibody (9I559)

### Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human
Clone:	9I559
Purification:	Protein G purified

### Applications

Verified Activity:	1. Cell line: HeLa
	Fixative: 4% Paraformaldehyde
	Permeabilization: 0.1% TritonX-100
	Primary ab dilution: 1: 200
	Primary incubation condition: 4°C overnight
	Secondary ab: Goat Anti-Mouse IgG
	Nuclear counter stain: DAPI (Blue)
	Comment: Color green is the positive signal for TMAB-13994
	2. Blocking buffer: 5% NFDm/TBST
	Primary ab dilution: 1:1000
	Primary ab incubation condition: 4°C overnight
	Secondary ab: Goat Anti-Mouse IgG H&L (HRP)
	Lysate: Jurkat, Raji, SH-SY5Y, 293
	Protein loading quantity: 20 µg
Exposure time: 30 s	
Predicted MW: 124 kDa	
Observed MW: 130 kDa	
Application:	WB, ICC/IF
Recommended	WB: 1:500-1000; ICC/IF: 1:50-200

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Gene ID:	5976
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### Research Background

In eukaryotes, it is essential to have the ability to detect and degrade transcripts that lack full coding potential. Nonsense-mediated RNA decay (NMD) protects the organism by avoiding the translation of truncated peptides with dominant negative or deleterious gain-of-function potential. Rent1, a mammalian ortholog of Upflp, is essential for embryonic viability (1-3). Rent1 (also designated regulator of nonsense transcripts and HUpl1) contains an N-terminal zinc finger-like domain, NTPase domains and a region comprised of domains that define Rent1 as a superfamily group I helicase.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481