

## Anti-USP3 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 59 kDa. Actual: 59 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample:
	A549 (Human) Cell Lysate at 30 µg
	U2Os (Human) Cell Lysate at 30 µg
	Primary: Anti-USP3 (TMAB-14024) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 59 kD
	Observed band size: 59 kD
	2. Sample: k562 (human) Cell Lysate at 30 µg
	Primary: Anti-USP3 (TMAB-14024) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kD	
Observed band size: 59 kD	
Application:	WB
Recommended	WB: 1:500-2000

### 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

Immunogen:	KLH conjugated synthetic peptide: human USP3
Antigen Species:	Human
Gene ID:	9960
Uniprot ID:	Q9Y6I4

### Research Background

The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP3 (ubiquitin specific peptidase 3), also known as UBP or SIH003, is a 520 amino acid protein that contains one UBP-type zinc finger and belongs to the peptidase C19 family. Expressed ubiquitously with highest levels present in pancreas, USP3 catalyzes the conversion of a ubiquitin C-terminal thioester to a free ubiquitin and a thiol. The gene encoding USP3 maps to human chromosome 15, which houses

## A DRUG SCREENING EXPERT

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over 700 genes and comprises nearly 3% of the human genome.

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

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