

## Anti-ZNHIT2 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Pig)
Molecular Weight:	Theoretical: 45 kDa. Actual: 45 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Protein: bladder(mouse) lysates at 40 µg; Primary: Rabbit Anti-ZNHIT2 (TMAB-14448) at 1:300; Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG (H+L) at 1: 10000; Predicted band size:45 kD Observed band size:45 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 ZNHIT2
Antigen Species:	Human
Gene ID:	741
Uniprot ID:	Q9UHR6

## Research Background

ZNHIT2 (zinc finger, HIT-type containing 2), also known as FON, is a 403 amino acid protein that is highly expressed in the seminiferous tubules of testis, with low expression in other tissues. Containing one HIT-type zinc finger, ZNHIT2 is encoded by a gene that maps to human chromosome 11, which comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sick cell anemia and thalassemia are caused by HBB gene mutations, while Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11-encoded genes.

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