

## ZNHIT3 Conjugated Antibody

Catalog No: #C43791



Package Size: #C43791-AF350 100ul #C43791-AF405 100ul #C43791-AF488 100ul  
 #C43791-AF555 100ul #C43791-AF594 100ul #C43791-AF647 100ul  
 #C43791-AF680 100ul #C43791-AF750 100ul #C43791-Biotin 100ul

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## Description

Product Name	ZNHIT3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ZNHIT3 protein.
Immunogen Description	Synthetic peptide of human ZNHIT3
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	TRIP3
Accession No.	Swiss-Prot#:Q15649NCBI Gene ID:9326NCBI Protein#:NP_004764
Uniprot	Q15649
GeneID	9326;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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ZNHIT3 (zinc finger, HIT-type containing 3), also known as TRIP3 (thyroid receptor-interacting protein 3) or HNF-4a coactivator, is a 155 amino acid protein that contains one HIT-type zinc finger and regulates PPAR $\gamma$ -mediated adipocyte differentiation. ZNHIT3 also coactivates HNF-4 $\alpha$ , and as a thyroid receptor interacting protein, ZNHIT3 interacts with the ligand binding domain of the thyroid receptor. The gene encoding ZNHIT3 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

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Note: This product is for in vitro research use only