

THOC5 antibody

Product Information

Catalog No.:	FNab08668
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Acts as component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex(EJC) and is recruited in a splicing-and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus(KSHV) intronless mRNAs and infectious virus production. THOC5 in conjunction with ALYREF/THOC4 functions in NXF1-NXT1 mediated nuclear export of HSP70 mRNA; both proteins enhance the RNA binding activity of NXF1 and are required for NXF1 localization to the nuclear rim. Involved in transcription elongation and genome stability. Involved in alternative polyadenylation site choice by recruiting CPSF6 to 5' region of target genes; probably mediates association of the TREX and CFIm complexes. Regulates the expression of myeloid transcription factors CEBPA, CEBPB and GAB2 by enhancing the levels of phosphatidylinositol 3,4,5-trisphosphate. May be involved in the differentiation of granulocytes and adipocytes. Essential for hematopoietic primitive cell survival and plays an integral role in monocytic development.

Immunogen information

Immunogen:	THO complex 5
Synonyms:	THO complex subunit 5 homolog Functional spliceosome-associated protein 79 (fSAP79) NF2/meningioma region protein pK1.3 Placental protein 39.2 (PP39.2) hTREX90 THOC5 C22orf19 KIAA0983
Observed MW:	79 kDa
Uniprot ID :	Q13769

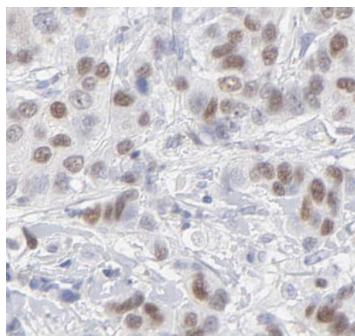
Application

Reactivity: Human, Mouse, Rat

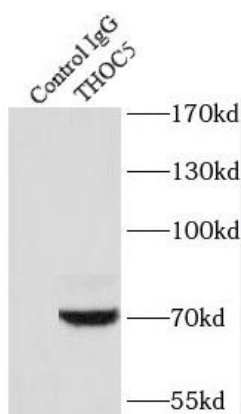
Tested Application: ELISA, IHC, WB, IF, IP

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

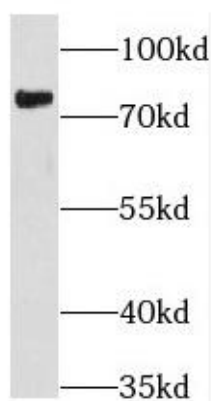
Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab08668(THOC5 Antibody) at dilution of 1:50



IP Result of anti-THOC5 (IPFNab08668, 3ug; Detection:FNab08668 1:300) with HEK-293 cells lysate 2000ug.



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab08668(THOC5 Antibody) at dilution of 1:600