

## anti- TREX1 antibody

### Product Information

Catalog No.:	FNab08963
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

Major cellular 3'-to-5' DNA exonuclease which digests single-stranded DNA(ssDNA) and double-stranded DNA(dsDNA) with mismatched 3' termini. Prevents cell-intrinsic initiation of autoimmunity. Acts by metabolizing DNA fragments from endogenous retroelements, including L1, LTR and SINE elements. Unless degraded, these DNA fragments accumulate in the cytosol and activate the IFN-stimulatory DNA(ISD) response and innate immune signaling. Prevents chronic ATM-dependent checkpoint activation, by processing ssDNA polynucleotide species arising from the processing of aberrant DNA replication intermediates. Inefficiently degrades oxidized DNA, such as that generated upon antimicrobial reactive oxygen production or upon absorption of UV light. During GZMA-mediated cell death, contributes to DNA damage in concert with NME1. NME1 nicks one strand of DNA and TREX1 removes bases from the free 3' end to enhance DNA damage and prevent DNA end reannealing and rapid repair.

### Immunogen information

Immunogen:	three prime repair exonuclease 1
Synonyms:	3 5 exonuclease TREX1, AGS1, AGS5, CRV, DKFZp434J0310, DNase III, DRN3, HERNS, TREX1
Observed MW:	32 kDa
UniprotID :	Q9NSU2

1

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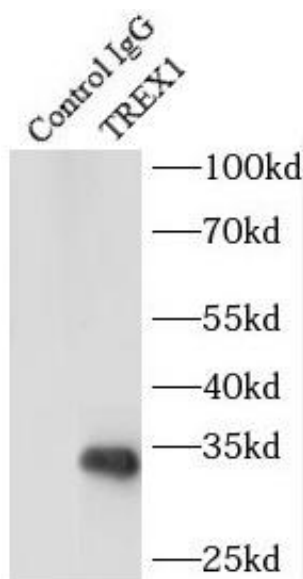
## Application

Reactivity: Human

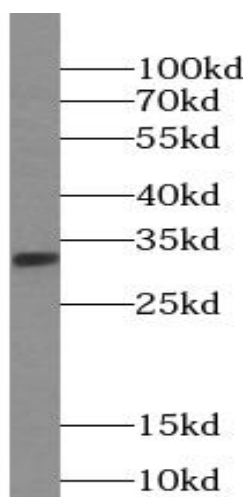
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:200-1:1000; IP: 1:200-1:1000

Image:



IP Result of anti-TREX1 (IP:FNab08963, 4ug;  
Detection:FNab08963 1:300) with HeLa cells  
lysate 1200ug.



HeLa cells were subjected to SDS PAGE followed  
by western blot with FNab08963(TREX1  
Antibody) at dilution of 1:300

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