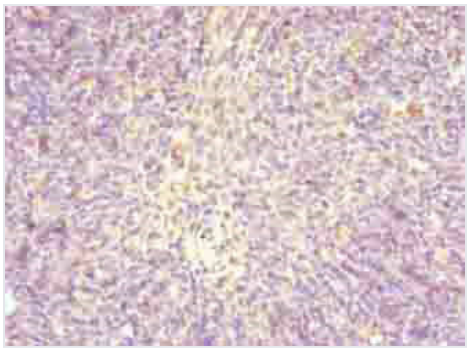
STRA13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STRA13, Polyclonal Antibody
Full Product Name	STRA13 Antibody
Product Gene Name	anti-STRA13 antibody
Product Synonym Names	Centromere protein X; CENP-X; FANCM-interacting histone fold protein 2; Fanconi anemia-associated polypeptide of 10 kDa; Retinoic acid-inducible gene D9 protein homolog; Stimulated by retinoic acid gene 13 protein homolog; STRA13; CENPX; FAAP10; MHF2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: STRA13 (MBS7002536) Biotin Conjugated Antibody: STRA13 (MBS7003913)
Matching Pairs	Unconjugated Antibody: STRA13 (MBS7002536) HRP Conjugated Antibody: STRA13 (MBS7005345)
Matching Pairs	Unconjugated Antibody: STRA13 (MBS7002536) FITC Conjugated Antibody: STRA13 (MBS7005622)
Molecular Weight	6,466 Da
OMIM	615128
3D Structure	ModBase 3D Structure for A8MT69
Immunogen	Recombinant human Centromere protein X protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-169459
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-STRA13 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Related Product Information for anti-STRA13 antibody	DNA-binding component of the FA core complex involved in DNA damage repair and genome maintenance. Recruited to forks stalled by DNA interstrand cross-links, and required for cellular resistance to such lesions. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. Component of the APITD1/CENPS complex that is essential for the stable assembly of the outer kinetochore. Plays an important role in mitotic progression and chromosome segregation.
Other Notes	Small volumes of anti-STRA13 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for STRA13 purchase	MBS7002536 is an antibody targeting STRA13. Also known as STRA13 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-STRA13 antibody
Immunohistochemistry of paraffin-embedded human thymus tissue using MBS7002536 at dilution of 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STRA13. It may not necessarily be applicable to this product.

NCBI GI #	401871066
NCBI GeneID	201254
NCBI Accession #	NP_001257935.1
UniProt Primary Accession #	A8MT69
UniProt Secondary Accession #	O00281; O00282; Q96DD4; Q96F51
UniProt Related Accession #	A8MT69
GenBank Nucleotide #	NM_001271006.1
NCBI Official Full Name	centromere protein X isoform 1
NCBI Official Synonym Full Names	stimulated by retinoic acid 13
NCBI Official Symbol	STRA13
NCBI Official Synonym Symbols	D9; MHF2; CENPX; CENP-X; FAAP10
UniProt Protein Name	Centromere protein X
UniProt Synonym Protein Names	FANCM-interacting histone fold protein 2; Fanconi anemia-associated polypeptide of 10 kDa; Retinoic acid-inducible gene D9 protein homolog; Stimulated by retinoic acid gene 13 protein homolog
Protein Family	Centromere protein
UniProt Gene Name	STRA13
UniProt Synonym Gene Names	CENPX; FAAP10; MHF2; CENP-X
UniProt Entry Name	CENPX_HUMAN
NCBI Protein Information	centromere protein X

UniProt Comments for STRA13	STRA13: DNA-binding component of the FA core complex involved in DNA damage repair and genome maintenance. Recruited to forks stalled by DNA interstrand cross-links, and required for cellular resistance to such lesions. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. Component of the APITD1/CENPS complex that is essential for the stable assembly of the outer kinetochore. Plays an important role in mitotic progression and chromosome segregation. Belongs to the CENPX family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Cell cycle regulation Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: nucleoplasm Molecular Function: DNA binding; double-stranded DNA binding; protein binding Biological Process: cell division; DNA repair; DNA replication-independent nucleosome assembly at centromere; kinetochore assembly; mitosis; nucleosome assembly; positive regulation of protein ubiquitination; replication fork processing; resolution of meiotic joint molecules as recombinants
Research Articles on STRA13	**1.** MHF prefers branched DNA over dsDNA because it engages two duplex arms. MHF engages DNA forks or various four-way junctions independent of the junction-site structure. The DNA-binding interface of MHF is important for cellular resistance to DNA damage.
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