

Datasheet for ABIN6148631
anti-STRA13 antibody (AA 1-63)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	STRA13
Binding Specificity:	AA 1-63
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STRA13 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-63 of human STRA13 (NP_659435.2).
Sequence:	MEGAGAGSGF RKELVSRLH LHFKDDKTKE AAVRGVRQAQ AEDALRVDVD QLEKVLPLL LDF
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	STRA13
Alternative Name:	STRA13 (STRA13 Products)

Target Details

Background:	DNA-binding component of the Fanconi anemia (FA core complex. Required for the normal activation of the FA pathway, leading to monoubiquitination of the FANCI-FANCD2 complex in response to DNA damage, cellular resistance to DNA cross-linking drugs, and prevention of chromosomal breakage. In complex with CENPS (MHF heterodimer, crucial cofactor for FANCM in both binding and ATP-dependent remodeling of DNA. Stabilizes FANCM. In complex with CENPS and FANCM (but not other FANC proteins, rapidly recruited to blocked forks and promotes gene conversion at blocked replication forks. In complex with CENPS, CENPT and CENPW (CENP-T-W-S-X heterotetramer, involved in the formation of a functional kinetochore outer plate, which is essential for kinetochore-microtubule attachment and faithful mitotic progression. As a component of MHF and CENP-T-W-S-X complexes, binds DNA and bends it to form a nucleosome-like structure. DNA-binding function is fulfilled in the presence of CENPS, with the following preference for DNA substates: Holliday junction > double-stranded > splay arm > single-stranded. Does not bind DNA on its own.,CENPX,CENP-X,D9,FAAP10,MHF2,STRA13,Epigenetics & Nuclear Signaling,DNA Damage & Repair,STRA13
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Molecular Weight:	6 kDa/7 kDa/8 kDa
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Gene ID:	201254
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UniProt:	A8MT69
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Application Details

Application Notes:	WB,1:500 - 1:2000
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Comment:	HIGH QUALITY
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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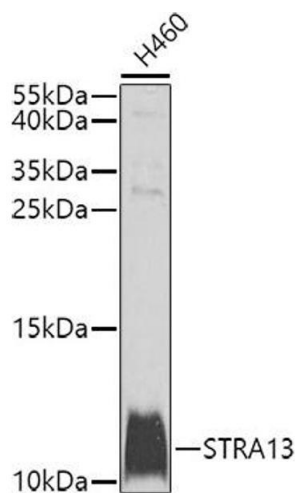
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

Image 1. Western blot analysis of extracts of H460 cells, using STR antibody (ABIN6133039, ABIN6148631, ABIN6148632 and ABIN6225238) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.