

TRAF4AF1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56318**Specification****TRAF4AF1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9Y448
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35438

TRAF4AF1 Polyclonal Antibody - Additional Information**Gene ID** 90417**Other Names**

Small kinetochore-associated protein, SKAP, Kinetochore-localized astrin-binding protein, Kinastrin, Kinetochore-localized astrin/SPAG5-binding protein, TRAF4-associated factor 1, KNSTRN (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=30767)
target="_blank">HGNC:30767)

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

TRAF4AF1 Polyclonal Antibody - Protein Information**Name** KNSTRN ([HGNC:30767](#))**Function**

Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase (PubMed:<http://www.uniprot.org/citations/19667759>)>19667759). Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture (PubMed:<http://www.uniprot.org/citations/19667759>)>19667759, PubMed:<http://www.uniprot.org/citations/22110139>)>22110139). The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable

microtubule-kinetochore attachments (PubMed:21402792). Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division (PubMed:23035123). May be involved in UV-induced apoptosis via its interaction with PRPF19; however, these results need additional evidences (PubMed:24718257).

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, microtubule organizing center. Note=Colocalizes with microtubules around centrosomes in prophase and with the mitotic spindle at prometaphase and metaphase. From late prometaphase to anaphase, is highly concentrated on kinetochores. Located at the kinetochore-microtubule interface. The astrin (SPAG5)-kinastrin (SKAP) complex localizes to the microtubule plus ends (PubMed:23035123)

Tissue Location

Widely expressed, including in skin.

TRAF4AF1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRAF4AF1 Polyclonal Antibody - Images