

ANKRD32 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59374**Specification****ANKRD32 Polyclonal Antibody - Product Information**

Application	IHC-F, IF, E
Primary Accession	O9BQI6
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	121 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANKRD32
Epitope Specificity	21-120/1058
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 ANK repeats. Contains 2 BRCT domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ANKRD32 Polyclonal Antibody - Additional Information**Gene ID** 84250**Other Names**

SMC5-SMC6 complex localization factor protein 1 {ECO:0000312|HGNC:HGNC:25408}, Ankyrin repeat domain-containing protein 32, BRCT domain-containing protein 1, Smc5/6 localization factor 1, SLF1 {ECO:0000303|PubMed:25931565, ECO:0000312|HGNC:HGNC:25408}

Dilution

IHC-F~ ~N/A<br \>IF~ ~1:50~200<br \>E~ ~N/A

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.

ANKRD32 Polyclonal Antibody - Protein Information**Name** SLF1 {ECO:0000303|PubMed:25931565, ECO:0000312|HGNC:HGNC:25408}

Function

Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions (PubMed:25931565, PubMed:36373674).

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8R3P9}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q8R3P9} Note=Relocalizes with RAD18 to nuclear foci in response to DNA damage Colocalizes with RAD18 in the nucleus and to centrosomes (By similarity). Associates with chromatin (PubMed:25931565). Accumulates with RAD18 and the SMC5-SMC6 complex at replication-coupled DNA interstrand repair and DNA double-strand breaks (DSBs) sites on chromatin in a ubiquitin-dependent manner (PubMed:25931565) {ECO:0000250|UniProtKB:Q8R3P9, ECO:0000269|PubMed:25931565}

ANKRD32 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](#)

ANKRD32 Polyclonal Antibody - Images