

## **ANKRD32 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59374

# **Specification**

## **ANKRD32 Polyclonal Antibody - Product Information**

Application IHC-F, IF, E
Primary Accession Q9BOI6
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**

<span class ="dilution\_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution\_IF">IF~~1:50~200</span><br \> <span class = "dilution\_E">E~~N/A</span>

### **Storage**

Store at -20  $^{\circ}$ 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  $^{\circ}$ 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:<a

href="http://www.uniprot.org/citations/25931565" target="\_blank">25931565</a>). 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:<a

 $href="http://www.uniprot.org/citations/25931565" target="\_blank">25931565</a>). Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions (PubMed:<a$ 

href="http://www.uniprot.org/citations/25931565" target="\_blank">25931565</a>, PubMed:<a href="http://www.uniprot.org/citations/36373674" target=" blank">36373674</a>).

#### **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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**ANKRD32 Polyclonal Antibody - Images**