

# ANKRD32 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP59374

## Product Information

<b>Application</b>	IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9BQI6</a>
<b>Reactivity</b>	Rat, Pig, Dog
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	121050
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human ANKRD32
<b>Epitope Specificity</b>	21-120/1058
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SIMILARITY</b>	Contains 3 ANK repeats. Contains 2 BRCT domains.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Additional Information

<b>Gene ID</b>	84250
<b>Other Names</b>	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}
<b>Dilution</b>	IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

## Protein Information

<b>Name</b>	SLF1 {ECO:0000303 PubMed:25931565, ECO:0000312 HGNC:HGNC:25408}
<b>Function</b>	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="#">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:[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}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.