

**Anti-FAM111A Antibody**  
**Catalog # AP54108****Specification****Anti-FAM111A Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q96PZ2</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>70196</b>

**Anti-FAM111A Antibody - Additional Information****Gene ID** 63901**Other Names**

Serine protease FAM111A; KIAA1895

**Target/Specificity**

Recognizes endogenous levels of FAM111A protein.

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-FAM111A Antibody - Protein Information****Name** FAM111A{ECO:0000303|PubMed:23093934,  
ECO:0000312|HGNC:HGNC:24725}**Function**

Single-stranded DNA-binding serine protease that mediates the proteolytic cleavage of covalent DNA-protein cross-links (DPCs) during DNA synthesis, thereby playing a key role in maintaining genomic integrity (PubMed:<a href="http://www.uniprot.org/citations/32165630" target="\_blank">32165630</a>). DPCs are highly toxic DNA lesions that interfere with essential chromatin transactions, such as

**Anti-FAM111A Antibody - Background**

Rabbit polyclonal antibody to FAM111A

replication and transcription, and which are induced by reactive agents, such as UV light or formaldehyde (PubMed:<a href="http://www.uniprot.org/citations/32165630" target="\_blank">32165630</a>). Protects replication fork from stalling by removing DPCs, such as covalently trapped topoisomerase 1 (TOP1) adducts on DNA lesion, or poly(ADP-ribose) polymerase 1 (PARP1)- DNA complexes trapped by PARP inhibitors (PubMed:<a href="http://www.uniprot.org/citations/32165630" target="\_blank">32165630</a>). Required for PCNA loading on replication sites (PubMed:<a href="http://www.uniprot.org/citations/24561620" target="\_blank">24561620</a>). Promotes S- phase entry and DNA synthesis (PubMed:<a href="http://www.uniprot.org/citations/24561620" target="\_blank">24561620</a>).

**Cellular Location**

Nucleus. Chromosome Cytoplasm.

Note=Mainly localizes to nucleus:

colocalizes with PCNA on replication sites

**Anti-FAM111A 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](#)