

FAM35A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55727**Specification****FAM35A Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q86V20
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM35A
Epitope Specificity	381-480/835
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the FAM35 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

FAM35A Polyclonal Antibody - Additional Information**Gene ID** 54537**Other Names**

Shieldin complex subunit 2 {ECO:0000312|HGNC:HGNC:28773}, Protein FAM35A, RINN1-REV7-interacting novel NHEJ regulator 2, Shield complex subunit 2, SHLD2 {ECO:0000303|PubMed:29656893, ECO:0000312|HGNC:HGNC:28773}

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<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.

FAM35A Polyclonal Antibody - Protein Information

Name SHLD2 {ECO:0000303|PubMed:29656893, ECO:0000312|HGNC:HGNC:28773}

Function

Component of the shieldin complex, which plays an important role in repair of DNA double-stranded breaks (DSBs) (PubMed:29656893, PubMed:29789392). During G1 and S phase of the cell cycle, the complex functions downstream of TP53BP1 to promote non-homologous end joining (NHEJ) and suppress DNA end resection (PubMed:29656893, PubMed:29789392). Mediates various NHEJ-dependent processes including immunoglobulin class-switch recombination, and fusion of unprotected telomeres (PubMed:29656893).

Cellular Location

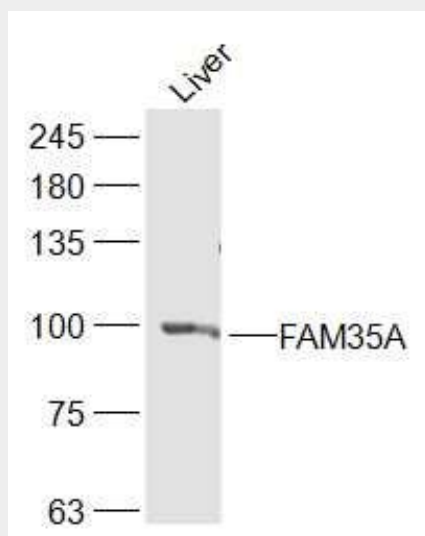
Nucleus. Chromosome. Note=Localizes to nuclear foci in response to DNA damage.

FAM35A 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](#)

FAM35A Polyclonal Antibody - Images



Sample:

Tiver (Mouse) Lysate at 40 ug

Primary: Anti-FAM35A (bs-14899R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 94 kD

Observed band size: 87kD