

Anti-FAM35A/B Antibody
Catalog # AP53970**Specification****Anti-FAM35A/B Antibody - Product Information**

Application	WB
Primary Accession	Q86V20
Other Accession	A6NDK8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93705

Anti-FAM35A/B Antibody - Additional Information**Gene ID** 54537**Other Names**

FAM35A; Protein FAM35A; FAM35B; Protein FAM35B

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FAM35A/B. The exact sequence is proprietary.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

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

Anti-FAM35A/B 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](http://www.uniprot.org/citations/29656893), PubMed: [29789392](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/29656893), PubMed: [29789392](http://www.uniprot.org/citations/29789392)). Mediates various NHEJ-dependent processes including immunoglobulin class-switch recombination, and fusion of unprotected telomeres (PubMed: [29656893](http://www.uniprot.org/citations/29656893), PubMed: [29789392](http://www.uniprot.org/citations/29789392)).

href="http://www.uniprot.org/citations/29656893" target="_blank">29656893).

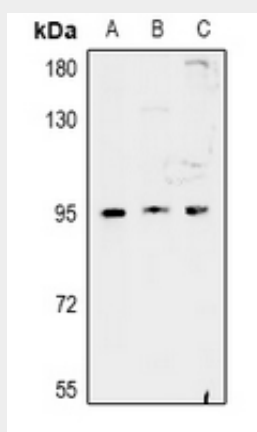
Cellular Location

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

Anti-FAM35A/B 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](#)

Anti-FAM35A/B Antibody - Images

Western blot analysis of FAM35A/B expression in H1792 (A), H9C2 (B), AML12 (C) whole cell lysates.

Anti-FAM35A/B Antibody - Background

Rabbit polyclonal antibody to FAM35A/B