

Anti-FAM35A Antibody

Catalog # AP53970

Product Information

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

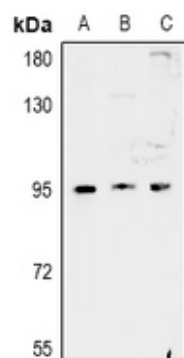
Additional Information

Gene ID	54537
Other Names	FAM35A; Protein FAM35A
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FAM35A. 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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

Images



Western blot analysis of FAM35A expression in H1792 (A), H9C2 (B), AML12 (C) whole cell lysates. (Predicted band size: 93 kD; Observed band size: 94 kD)

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