

FAM76B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59333**Specification****FAM76B Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q5HYJ3
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM76B
Epitope Specificity	251-339/339
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus speckle.
SIMILARITY	Belongs to the FAM76 family.
Post-translational modifications	Isoform 2 is ubiquitinated at Lys-225. Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

With approximately 135 million base pairs and 1,400 genes, chromosome 11 makes up around 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and β thalassemia are caused by HBB gene mutations. Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11. The FAM76B gene product has been provisionally designated FAM76B pending further characterization.

FAM76B Polyclonal Antibody - Additional Information**Gene ID** 143684**Other Names**

Protein FAM76B, FAM76B

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.

FAM76B Polyclonal Antibody - Protein Information

Name FAM76B

Function

Negatively regulates the NF-kappa-B-mediated inflammatory pathway by preventing the translocation of HNRNPA2B1 from the nucleus to the cytoplasm (PubMed:37643469). Inhibits the PI3K/Akt/NF-kappa-B pathway-mediated polarization of M1 macrophages by binding to and stabilizing PIK3CD mRNA, resulting in increased levels of PIK3CD protein and increased levels of phosphorylated downstream target AKT which leads to decreased NF-kappa-B signaling (PubMed:38421448).

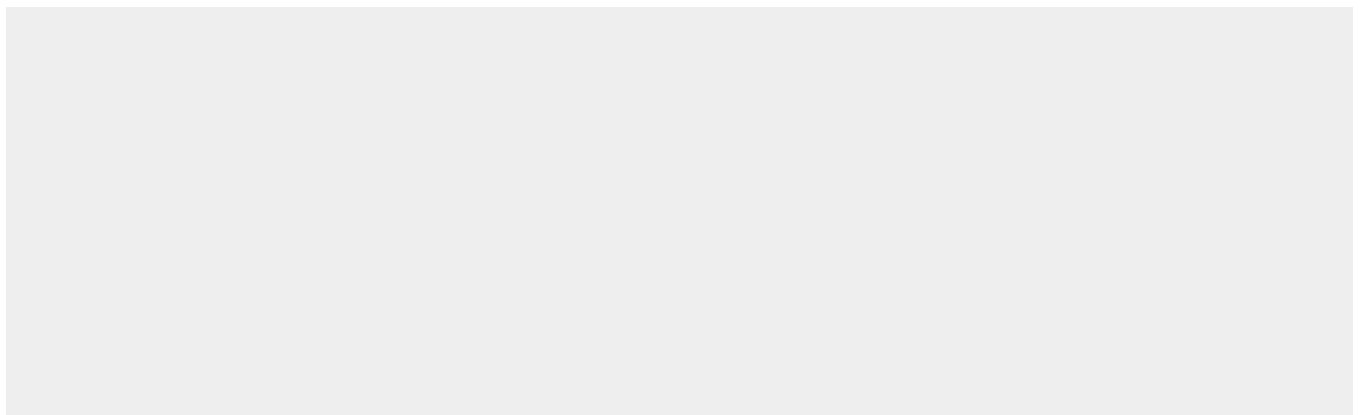
Cellular Location

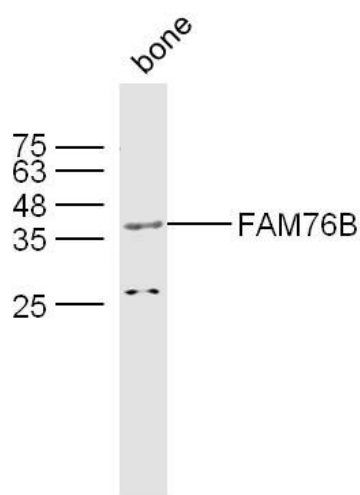
Nucleus speckle

FAM76B 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](#)

FAM76B Polyclonal Antibody - Images



Sample: Bone (Mouse) Lysate at 40 ug
Primary: Anti-FAM76B (bs-9659R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 39 kD