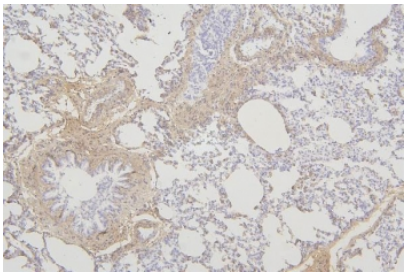
Fam70b Antibody / Tmem255b (RQ5843)

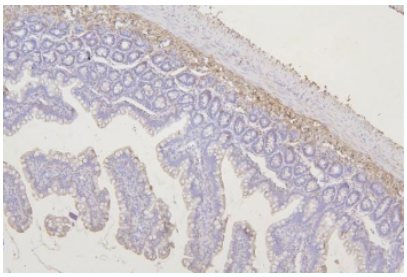
Catalog No.	Formulation	Size
RQ5843	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

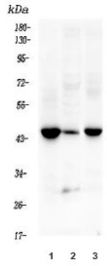
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q5FW56
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Fam70b antibody is available for research use only.



IHC staining of FFPE rat lung with Fam70b antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestine with Fam70b antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of mouse 1) heart, 2) testis and 3) lung lysate with Fam70b antibody. Predicted molecular weight ~40 kDa.

Description

FAM70B (family with sequence similarity 70, member B) is a 326 amino acid membrane protein that belongs to the FAM70 family. The gene that encodes FAM70B maps to human chromosome 13, which contains around 114 million base pairs and encodes roughly 400 genes. Key tumor suppressor genes on chromosome 13 include the breast cancer susceptibility gene, BRCA2, and the RB1 (retinoblastoma) gene. RB1 encodes a crucial tumor suppressor protein which, when defective, leads to malignant growth in the retina and has been implicated in a variety of other cancers. The gene SLITRK1, which is associated with Tourette syndrome, is on chromosome 13. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival. Trisomy 13, also known as Patau syndrome, is quite deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

Application Notes

Optimal dilution of the Fam70b antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids Q196-L240) was used as the immunogen for the Fam70b antibody.

Storage

After reconstitution, the Fam70b antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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