

FAM123A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55683**Specification**

FAM123A Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8N7J2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM123A
Epitope Specificity	581-671/671
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	Cell membrane; Peripheral membrane protein. Note=Translocates to the cell membrane following binding to PtdIns(4,5)P2.
SIMILARITY	Belongs to the FAM123 family.
SUBUNIT	Interacts with APC.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The FAM123A (family with sequence similarity 123A) gene encodes for a 671 amino acid protein. There are two isoforms of FAM123A that exist as a result of alternative splicing events. The gene encoding FAM123A is located on chromosome 13, which comprises nearly 4% of human DNA and contains about 114 million base pairs and 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.

FAM123A Polyclonal Antibody - Additional Information**Gene ID** 219287**Other Names**

APC membrane recruitment protein 2, Amer2, Protein FAM123A, AMER2, FAM123A

Dilution

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

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

FAM123A Polyclonal Antibody - Protein Information

Name AMER2

Synonyms FAM123A

Function

Negative regulator of the canonical Wnt signaling pathway involved in neuroectodermal patterning. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex.

Cellular Location

Cell membrane; Peripheral membrane protein Note=Translocates to the cell membrane following binding to PtdIns(4,5)P2

FAM123A 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](#)

FAM123A Polyclonal Antibody - Images