

## Anti-FAM194A Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Pig)
Molecular Weight:	Theoretical: 75 kDa. Actual: 75 kDa.
Purification:	Protein A purified

## Applications

Sample:	Kidney (Mouse) Lysate at 40 µg Testis (Mouse) Lysate at 40 µg
Verified Activity:	Primary: Anti-FAM194A (TMAB-05850) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kD Observed band size: 75 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human FAM194A
Antigen Species:	Human
Gene ID:	131831
Uniprot ID:	Q7L0X2

## Research Background

FAM194B is a 696 amino acid protein that belongs to the FAM194 family and is alternatively spliced created two isoforms. The gene encoding FAM194B maps to human 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481