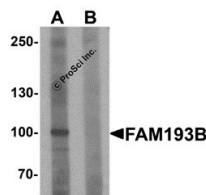


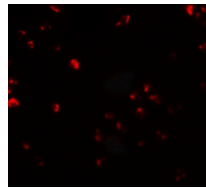


# FAM193B Antibody

Cat. No.: 6941



Western blot analysis of FAM193B in Jurkat cell lysate with FAM193B antibody at 1  $\mu$ g/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of FAM193B in Jurkat cells with FAM193B antibody at 20  $\mu$ g/mL.

## $\Psi$ Specifications

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human
<b>HOMOLOGY:</b>	Predicted species reactivity based on immunogen sequence: Bovine: (100%), Mouse: (81%)
<b>IMMUNOGEN:</b>	FAM193B antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human FAM193B.  The immunogen is located within amino acids 120 - 170 of FAM193B.
<b>TESTED APPLICATIONS:</b>	ELISA, IF, WB

<b>APPLICATIONS:</b>	FAM193B antibody can be used for detection of FAM193B by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
<b>SPECIFICITY:</b>	At least two isoforms of FAM193B are known to exist; this antibody will detect both isoforms.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1205 - Jurkat Cell Lysate 2) Cat. No. 17-005 - Jurkat Cell Slide
<b>PREDICTED MOLECULAR WEIGHT:</b>	99 kDa

## Ψ Properties

<b>PURIFICATION:</b>	FAM193B Antibody is affinity chromatography purified via peptide column.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	FAM193B Antibody is supplied in PBS containing 0.02% sodium azide.
<b>CONCENTRATION:</b>	1 mg/mL
<b>STORAGE CONDITIONS:</b>	FAM193B antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Ψ Additional Info

<b>OFFICIAL SYMBOL:</b>	FAM193B
<b>ALTERNATE NAMES:</b>	FAM193B Antibody: IRIZIO, KIAA1931, Protein FAM193B
<b>ACCESSION NO.:</b>	Q96PV7
<b>PROTEIN GI NO.:</b>	205831282
<b>GENE ID:</b>	54540
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Ψ Background and References

<b>BACKGROUND:</b>	FAM193B Antibody: FAM193B, also known as IRIZIO, was initially identified as a protein that is upregulated in alveolar rhabdomyosarcoma (ARMS), a type of fast-growing tumor characterized by chromosomal translocations fusing the PAX3 or PAX7 gene with that of FOXO1. It has been suggested that, in addition to the PAX3-FOXO1 gene fusion, disruption of the Rb and p53 pathways is required for full ARMS tumorigenesis. In PAX3-FOXO1-expressing primary mouse fibroblasts that possessed a defective p53 pathway, FAM193B expression enabled the tumorigenic transformation, suggesting that FAM193B may contribute to rhabdomyosarcomagenesis in humans.
<b>REFERENCES:</b>	1) Picchione F, Pritchard C, Lagutina I, et al. IRIZIO: a novel gene cooperating with PAX3-FOXO1 in alveolar rhabdomyosarcoma (ARMS). <i>Carcinogenesis</i> 2011; 32:452-62.
	2) Linardic CM. PAX3-FOXO1 fusion gene in rhabdomyosarcoma. <i>Cancer Lett.</i> 2008; 270:10-8.

**ANTIBODIES FOR RESEARCH USE ONLY.**

For additional information, visit ProSci's [Terms & Conditions Page](#).