

**FAM193B Antibody**  
**Catalog # ASC11512****Specification**

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**FAM193B Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB, IF  |
| Primary Accession | <a href="#">Q96PV7</a>  |
| Other Accession   | <a href="#">Q96PV7</a> , <a href="#">205831282</a>  |
| Reactivity        | Human   |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Isotype           | IgG   |
| Calculated MW     | 99 kDa KDa  |
| Application Notes | FAM193B antibody can be used for detection of FAM193B by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL. |

**FAM193B Antibody - Additional Information**Gene ID **54540****Target/Specificity**

FAM193B; At least two isoforms of FAM193B are known to exist; this antibody will detect both isoforms.

**Reconstitution & Storage**

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.

**Precautions**

FAM193B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**FAM193B Antibody - Protein Information****Name** FAM193B**Synonyms** IRIZIO, KIAA1931**Cellular Location**

Cytoplasm. Nucleus. Note=Partly colocalized with an endoplasmic reticulum marker, HSP90B1. Shuttles between nucleus and cytoplasm

**Tissue Location**

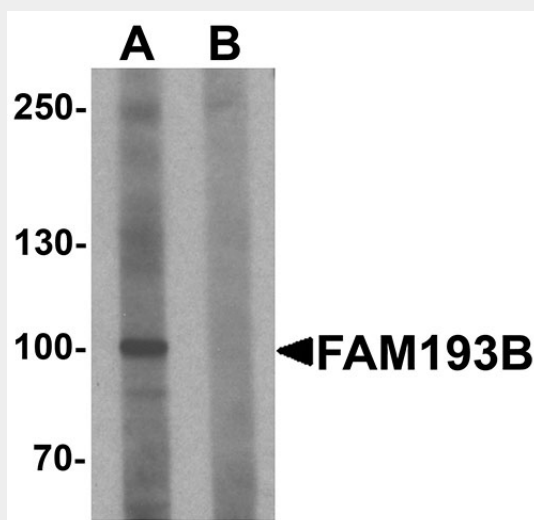
Isoform 1 is up-regulated in both embryonal rhabdomyosarcoma and alveolar rhabdomyosarcoma cell lines

## FAM193B Antibody - Protocols

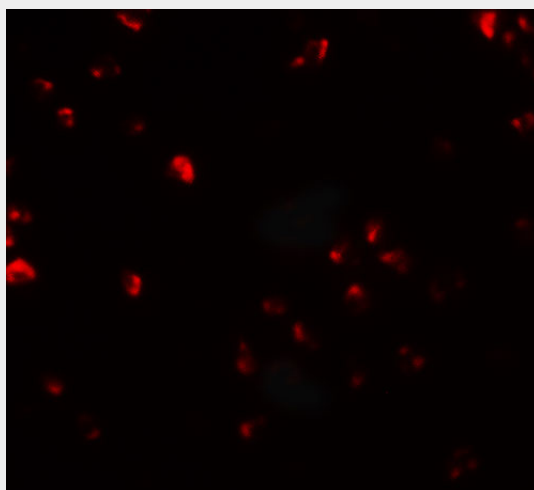
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## FAM193B Antibody - Images



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.

## FAM193B Antibody - Background

**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.

#### **FAM193B Antibody - References**

Picchione F, Pritchard C, Lagutina I, et al. IRIZIO: a novel gene cooperating with PAX3-FOXO1 in alveolar rhabdomyosarcoma (ARMS). *Carcinogenesis* 2011; 32:452-62.  
Linardic CM. PAX3-FOXO1 fusion gene in rhabdomyosarcoma. *Cancer Lett.* 2008; 270:10-8.