

FAM193B Antibody

Catalog # ASC11512

Product Information

Application	WB, IF, E
Primary Accession	Q96PV7
Other Accession	Q96PV7 , 205831282
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	96543
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
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.

Additional Information

Gene ID	54540
Other Names	Protein FAM193B, FAM193B, IRIZIO, KIAA1931
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.

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

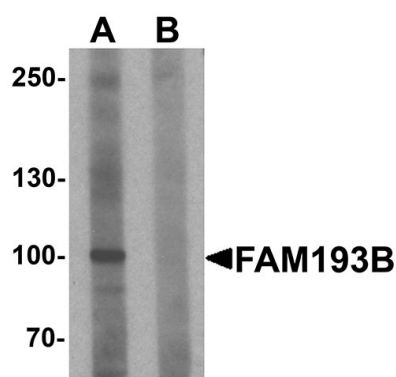
Background

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.

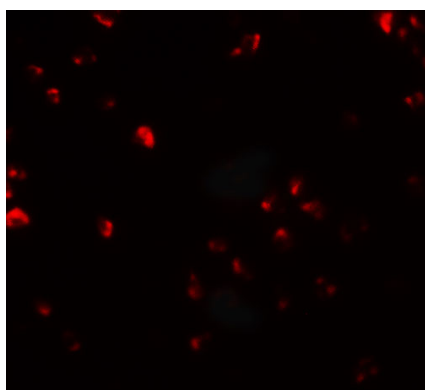
References

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.

Images



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



Immunofluorescence of FAM193B in Jurkat cells with FAM193B antibody at 20 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.