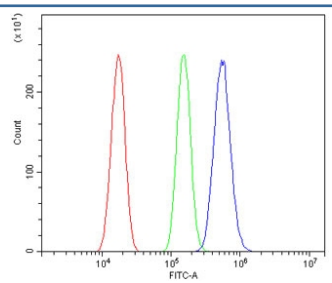
PAX3 Antibody (RQ5907)

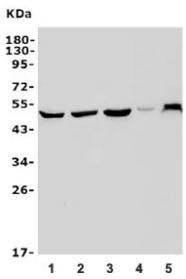
Catalog No.	Formulation	Size
RQ5907	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P23760
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PAX3 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with PAX3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PAX3 antibody.



Western blot testing of 1) human SH-SY5Y, 2) human K562, 3) human SW620, 4) rat brain and 5) mouse NIH 3T3 lysate with PAX3 antibody. Expected molecular weight: 22-56 kDa (multiple isoforms).

Description

This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini.

Application Notes

Optimal dilution of the PAX3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids T301-F479) was used as the immunogen for the PAX3 antibody.

Storage

After reconstitution, the PAX3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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