

PAX7 Rabbit mAb

Catalog No.: A29237 **Recombinant**

Basic Information

Observed MW

57 kDa

Calculated MW

55 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3952

Background

Enables DNA-binding transcription factor activity, RNA polymerase II-specific and sequence-specific DNA binding activity. Involved in skeletal muscle satellite cell differentiation. Acts upstream of or within several processes, including nervous system development; positive regulation of myoblast proliferation; and skeletal system development. Is active in nucleus. Is expressed in several structures, including central nervous system; embryo mesenchyme; genitourinary system; sensory organ; and skeletal musculature. Human ortholog(s) of this gene implicated in alveolar rhabdomyosarcoma and congenital myopathy 19. Orthologous to human PAX7 (paired box 7).

Recommended Dilutions

WB 1:2000 - 1:10000**IF/ICC** 1:500 - 1:2000**IHC-P** 1:2000 - 1:8000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn

Immunogen Information

Gene ID

18509

Swiss Prot

P47239

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Pax-7

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

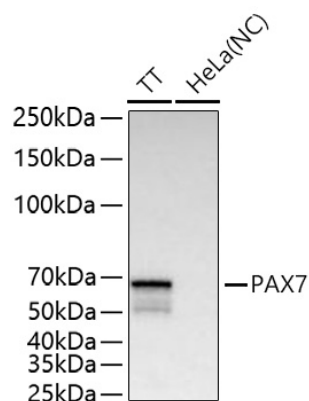
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

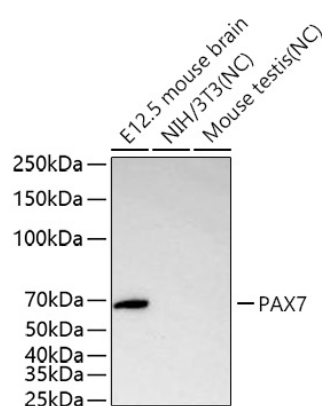


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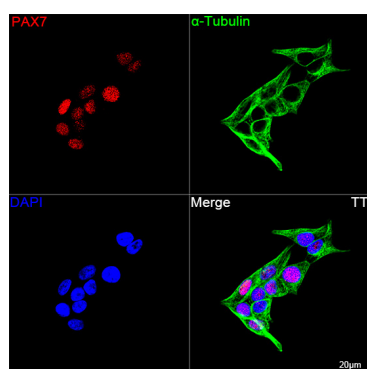
Validation Data



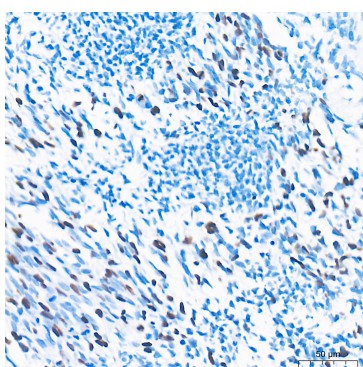
Western blot analysis of various lysates using PAX7 Rabbit mAb (A29237) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): HeLa.
 Exposure time: 1 s.



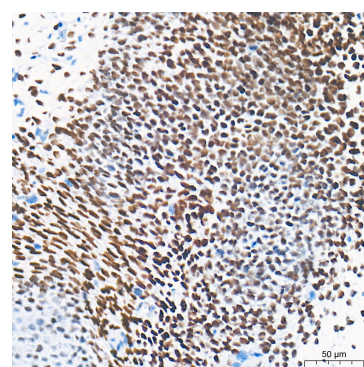
Western blot analysis of various lysates using PAX7 Rabbit mAb (A29237) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): NIH/3T3, Mouse testis.
 Exposure time: 5 s.



Confocal imaging of TT cells using PAX7 Rabbit mAb (A29237, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded E14.5 rat embryos tissue using PAX7 Rabbit mAb (A29237) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded E14.5 mouse embryos tissue using PAX7 Rabbit mAb (A29237) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.