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Datasheet for 600-401-GR7

Pax7 Antibody

Overview

Description:	Anti-Pax7 (RABBIT) Antibody - 600-401-GR7
Item No.:	600-401-GR7
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The Anti-Pax7 antibody was designed, produced, and validated as part of the Joy Cappel Young Investigator Award (JCYIA). Paired box protein Pax-7 transcription factor plays a role in myogenesis through regulation of muscle precursor cells proliferation. These genes play critical roles during fetal development and cancer growth. It is expressed specifically during the development of the nervous and muscular system. Anti-Pax7 antibody is ideal for researchers interested in developmental biology, stem cell research, cell growth and cancer research.
Synonyms:	rabbit anti-Pax7 antibody, Paired box protein Pax-7, Pax 7, Pax-7
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Pax7
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Pax7 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of Pax7 protein.

Purity/Specificity:	Anti-Pax-7 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross reactivity with Pax7 protein from mouse (100% homology) and human (66.7% homology) for the immunizing sequence. Cross-reactivity with Pax7 from other sources has not been determined.
Relevant Links:	• UniProtKB - P47239 • NCBI - NP_035169.1 • GeneID - 18509

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Pax7 antibody has been tested in ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 54.9 kDa in size corresponding to Pax7 by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:40:000
WB:	1.0 ug/ml
Other:	Not suitable for immunofluorescence.

Formulation

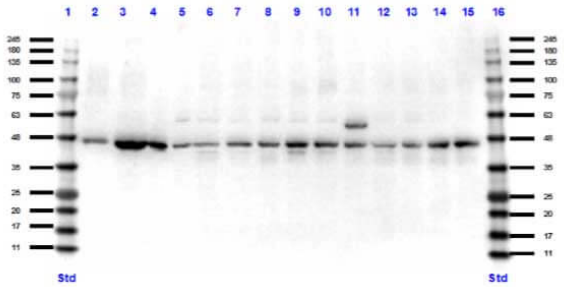
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Rabbit anti-Pax7 antibody. Lane 1: Opal Pre-stained ladder (p/n MB-210-0500). Lane 2: Mouse muscle protein lysate. Lane 3: C2C12 Lysate (p/n W09-001-GL7). Lane 4: Ms spleen lysate (p/n W10-000-T029). Lane 5: Ms brain lysate (p/n W10-000-T004). Lane 6: HEK293T Lysate (W09-001-GX5). Lane 7: HeLa WCL (p/n W09-000-364). Lane 8: MCF7 Lysate (p/n W09-000-360). Lane 9: Jurkat Lysate (p/n W09-001-370). Lane 10: A431 Lysate (p/n W09-000-361). Lane 11: A549 Lysate (p/n W09-001-372). Lane 12: LNCap Lysate (p/n W09-001-GJ9). Lane 13: MOLT-4 Lysate (p/n W09-001-GK2). Lane 14: Ramos Lysate (p/n W09-001-369). Lane 15: Raji Lysate (W09-001-368). Lane 16: Opal Pre-stained ladder (p/n MB-210-0500). Load: 10 µg per lane. Primary antibody: Pax7 antibody at 1:1,000 for overnight at RT. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:70,000 for 30 min at RT. Blocking Buffer: MB-070 for 30 min at RT. Predicted/Observed size: ~55 kDa for Pax7.

Disclaimer

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