

Product datasheet for **TA330280**

PAX7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PAX7 antibody: synthetic peptide directed towards the N terminal of human PAX7. Synthetic peptide located within the following region: CDRSTVPSGLVSSISRVLRIKFGKKEEEDADKKEDDGEKKAKHSIDGIL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	paired box 7
Database Link:	NP_002575 Entrez Gene 5081 Human P23759



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Background:

PAX7 is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box gene 7 is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma. Alternative splicing in this gene has produced two known products but the biological significance of the variants is unknown. This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box 7 gene is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma. Alternative splicing in this gene has produced two known products but the biological significance of the variants is unknown.

Synonyms:

HUP1; PAX7B; RMS2

Note:

Immunogen sequence homology: Horse: 100%; Human: 100%; Dog: 93%; Rat: 93%; Bovine: 93%; Rabbit: 93%; Pig: 91%; Guinea pig: 91%; Mouse: 75%

Protein Families:

Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

Product images:

WB Suggested Anti-PAX7 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: HepG2 cell lysate