

Product datasheet for **AP31952PU-N**

PAX3 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/64000 (Detection limit). Western blot: 1-3 µg/ml. Detects a band of Approx 55kDa n Human Brain (Frontal Cortex) and Mouse and Rat Brain lysates.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-STVHQSTIPSNPD, from the internal region of the protein sequence according to NP_852122.1; NP_000429.2; NP_039230.1; NP_852123.1; NP_852124.1; NP_852126.1; NP_852125.1; NP_001120838.1.
Specificity:	This antibody is expected to recognize isoforms PAX3 (NP_852122.1), PAX3d (NP_852123.1), PAX3e (NP_852124.1), PAX3g (NP_852126.1), PAX3h (NP_852125.1) and PAX3i (NP_001120838.1).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53.0 kDa (Human NP_852122.1) and 52.9 kDa (Mouse NP_032807.3)
Gene Name:	paired box 3



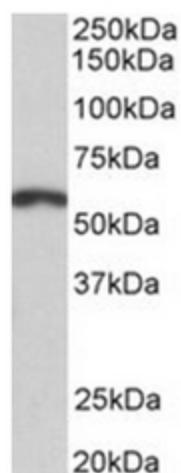
[View online »](#)

Database Link: [Entrez Gene 5077 Human P23760](#)

Background: This protein 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 proteins 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.

Synonyms: Pax-3, HUP2

Product images:



PAX3 antibody staining of Mouse Brain lysate at 2 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.