Goat anti-PAX3 Antibody

Item Number	dAP-2599
Target Molecule	Principle Name: PAX3; Official Symbol: PAX3; All Names and Symbols: PAX3; paired box 3; CDHS; HUP2; MGC120381; MGC120382; MGC120383; MGC120384; MGC134778; WS1; paired box homeotic gene 3; paired domain gene 3; paired domain gene HuP2; Accession Number (s): NP_852122.1; NP_000429.2; NP_039230.1; NP_852123.1; NP_852124.1; NP_852126.1; NP_852125.1; NP_001120838.1; Human Gene ID(s): 5077; Non-Human GeneID(s): 18505 (mouse) 114502 (rat)
Immunogen	STVHQSTIPSNPD, is from internal region 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).
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 55kDa band observed in Human Brain (Frontal Cortex) and Mouse and Rat Brain lysates (calculated MW of 53.0kDa according to Human NP_852122.1 and 52.9kDa according to Mouse NP_032807.3). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Xia SJ, Holder DD, Pawel BR, Zhang C, Barr FG, High expression of the PAX3-FKHR onco-protein is required to promote tumorigenesis of human myoblasts. The American journal of pathology 2009 Dec 175 (6): 2600-8..PMID: 19893043->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only