

## Goat anti-POU4F3 Antibody

Item Number	dAP-2225
Target Molecule	Principle Name: POU4F3; Official Symbol: POU4F3; All Names and Symbols: POU4F3; POU class 4 homeobox 3; BRN3C; DFNA15; MGC138412; POU domain, class 4, transcription factor 3; Accession Number (s): NP_002691.1; Human Gene ID(s): 5459; Non-Human GenelD(s):
Immunogen	EAAYREKNSKPE, is from internal region This antibody is expected not to cross-react to the similar POU4F1 and POU4F2.
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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; Reconstitute 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 8000.
Western Blot	Western Blot: Approx 40kDa band observed in Human and Mouse Heart lysates (calculated MW of 37.1kDa according to Human NP_002691.1). Recommended concentration: 0.2-0.6µg/ml.
IHC	
Reference	Reference(s): van Drunen FJ, Pauw RJ, Collin RW, Kremer H, Huygen PL, Cremers CW, Vestibular impairment in a Dutch DFNA15 family with an L289F mutation in POU4F3. <i>Audiology &amp; neuro-otology</i> 2009 14 (5): 303-7..PMID: 19372648->

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 end users! This product is sold for **Research Use Only**