

Goat anti-POU4F2 Antibody

Item Number	dAP-2783
Target Molecule	Principle Name: POU4F2; Official Symbol: POU4F2; All Names and Symbols: POU4F2; POU class 4 homeobox 2; BRN3.2; BRN3B; Brn-3b; Brn3b POU domain transcription factor; POU domain class 4 transcription factor 2; POU domain protein; POU domain, class 4, transcription factor 2; Accession Number (s): NP_004566.2; Human Gene ID(s): 5458; Non-Human GeneID(s):
Immunogen	HGLPSHMGCMNSD, is from internal region This antibody is not expected to cross-react to the similar POU4F3 (GeneID 5459)
Applications	Pep ELISA Species Tested:
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 128000.
Western Blot	Western Blot: Preliminary experiments gave an approx 70kDa band in Rat Retina lysates after 0.03µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 53.2k
IHC	
Reference	Reference(s): Qiu F, Jiang H, Xiang M, A comprehensive negative regulatory program controlled by Brn3b to ensure ganglion cell specification from multipotential retinal precursors. The Journal of Neuroscience : the official journal of the Society for Neuroscience 2008 Mar 28 (13): 3392-403..PMID: 18367606->

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**