

Datasheet for ABIN954258

anti-POU3F2 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	POU3F2
Binding Specificity:	AA 198-226, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POU3F2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 198-226 amino acids from the central region of human POU3F2
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	POU3F2
Alternative Name:	POU3F2 (POU3F2 Products)
Background:	POU3F2 belongs to a large family of transcription factors that bind to the octameric DNA

Target Details

sequence ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, that occurs in several mammalian transcription factors, including the octamer-binding proteins Oct1 (POU2F1, MIM 164175) and Oct2 (POU2F2, MIM 164176) and the pituitary protein Pit1 (PIT1, MIM 173110). Class III POU genes are expressed predominantly in the central nervous system (CNS). It is likely that CNS-specific transcription factors such as these play an important role in mammalian neurogenesis by regulating their diverse patterns of gene expression (Schreiber et al., 1993 [PubMed 8441633], Atanasoski et al., 1995 [PubMed 7601453]). Synonyms: BRN2, Brain-2, Brain-specific homeobox/POU domain protein 2, Brn-2, Nervous system-specific octamer-binding transcription factor N-Oct-3, OCT7, OTF-7, OTF7, Oct-7, Octamer-binding protein 7, Octamer-binding transcription factor 7, POU domain class 3 transcription factor 2

Gene ID: 5454

NCBI Accession: [NP_005595](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

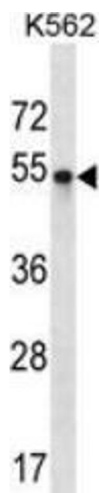
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis in K562 cell line lysates (35ug/lane) detecting POU3F2 protein by the use of POU3F2