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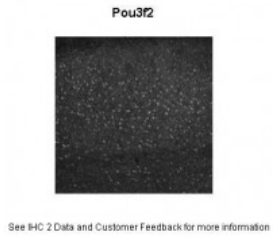
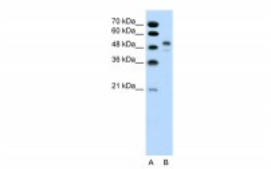
POU3F2 Antibody

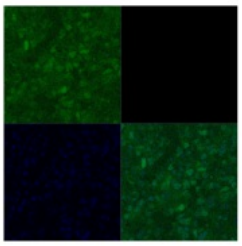
CATALOG NUMBER: 27-318



Antibody used in IHC on Mouse adult cortex at 1:1000.



Antibody used in WB on Human Jurkat 5 ug/ml.



Antibody used in IHC on Human Melenoma at: 1:1000.

Specifications

SPECIES REACTIVITY:	Dog, Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	POU3F2 antibody can be used for detection of POU3F2 by ELISA at 1:12500. POU3F2 antibody can be used for detection of POU3F2 by western blot at 0.5 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1205 - Jurkat Cell Lysate
PREDICTED MOLECULAR WEIGHT:	47 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human POU3F2.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4˚C. For longer periods of storage, store POU3F2 antibody at -20˚C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	POU3F2, BRN2, OCT7, OTF7, POUF3, OTF-7, brn-2, oct-7, N-Oct3
ACCESSION NO.:	NP_005595
PROTEIN GI NO.:	51702521

OFFICIAL SYMBOL:	POU3F2
GENE ID:	5454

Background

BACKGROUND:	N-Oct-3 (POU3F2) is a protein belonging to a large family of transcription factors that bind to the octameric DNA sequence ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, which occurs in several mammalian transcription factors, including the octamer-binding proteins Oct1 (POU2F1) and Oct2 (POU2F2), and the pituitary protein Pit1 (PIT1). Class III POU genes are expressed predominantly in the 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.N-Oct-3 is a protein belonging to a large family of transcription factors that bind to the octameric DNA sequence ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, which 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 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.[supplied by OMIM].
REFERENCES:	1) Goodall, J., (2004) Mol. Cell. Biol. 24 (7), 2923-2931.

FOR RESEARCH USE ONLY

December 12, 2016