

POU domain, class 5, transcription factor 1 Polyclonal Antibody

Catalog No: #42543

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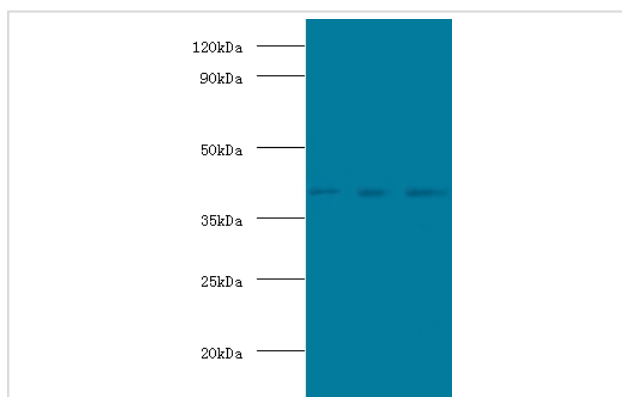
Description

Product Name	POU domain, class 5, transcription factor 1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total POU domain, class 5, transcription factor 1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human POU domain, class 5, transcription factor 1 protein
Target Name	POU domain, class 5, transcription factor 1
Other Names	Octamer-binding protein 3, Oct-3, Octamer-binding protein 4, Oct-4, Octamer-binding transcription factor 3, OTF-3, POU5F1, OCT3, OCT4, OTF3
Accession No.	Swiss-Prot#: Q01860
Uniprot	Q01860
GeneID	5460;
Calculated MW	39kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □1:500 - 1:1000

Images



All lanes: POU domain, class 5, transcription factor 1 antibody at 2ug/ml

Lane 1: jurkat whole cell lysate

Lane 2: Hela whole cell lysate

Lane 3: 293T whole cell lysate

Secondary

Goat polyclonal to Rabbit IgG at 1/10000 dilution

Predicted band size:39kDa

Observed band size:39kDa

Background

Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.

References

[1]"Phosphorylation regulates human OCT4."Brumbaugh J., Hou Z., Russell J.D., Howden S.E., Yu P., Ledvina A.R., Coon J.J., Thomson J.A.Proc. Natl. Acad. Sci. U.S.A. 109:7162-7168(2012). [2]"Serine 111 phosphorylation regulates OCT4A pro

Note: This product is for in vitro research use only